

1 AP20 Rec'd PCT/PTO 06 JUL 2006  
SEQUENCE LISTING

<110> Cambridge University Technical Services Limited  
Smith, Steven K  
Charnock-Jones, David S  
Print, Cristin G  
Johnson, Nicola A

<120> Methods of Assessing a Tissue Inflammatory Response Using Expression  
Profiles of Endothelial Cells

<130> AHB/CP6270680

<150> GB 0400976.7

<151> 2004-01-16

<160> 520

<170> PatentIn version 3.1

<210> 1

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1736\_at HG-U95Av2

<400> 1

agtaaaccac aagcaggcac tgcccgccca caggatgtga accgcagaga ccaacagagg 60

aatccaggca cctctaccac gccctcccag cccaattctg cgggtgtcca agacactgag 120

atggggcccat gccgtagaca tctggactca gtgctgcagc aactccagac tgaggtctac 180

cgaggggctc aaacactcta cgtgccaat tgtgaccatc gaggcttcta ccggaagcgg 240

cagtgcc 247

2

<210> 2  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 34021\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (88)..(197)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (277)..(344)  
<223> n is a, g, c or t

<400> 2  
caagaatccc aaactcacca ggatgctcac atttaagttt tacatgccca agaaggccac 60  
agaactgaaa catcttcagt gtctagannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnagg gatctgaaac aacattcatg tgtgaatatg ctgatgagac 240  
agcaaccatt gtagaatttc tgaacagatg gattacnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncttcta ttattttaaa 360  
tatttaaatt ttatatattat tgttgaatgt atggtttgct acctattgta ac 412

3

<210> 3  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35061\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (78)..(78)  
<223> n is a, g, c or t

<400> 3  
ggagtcaagc ccttataagt caaaagcatc tatgtgtcgt aaagcattcc tcaaacattt 60  
tttcatgcaa atacacantt ctttcccaa atatcatgta gcacatcaat atgtagggaa 120  
acattcttat gcatcatttg gtttgtttta taaccaattc attaaatgta attcataaaa 180  
tgtactatga aaaaaattat acgctatggg atactggcaa cagtgcacat atttcataac 240  
caaattagca gcaccggtct taatttgatg tttttcaact tttattcatt gagatgtttt 300  
gaagcaatta ggatatgtgt gtttactgta ctttttgttt tgatccgttt gtataaatga 360  
tagcaatatc ttggacacat ttga 384

<210> 4  
<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36444\_s\_at HG-U95Av2

<400> 4  
ttccatgcta ctagtgctga ctgctgcac tcctacaccc cacgaagcat cccgtgttca 60  
ctcctggaga gttactttga aacgaacagc gagtgctcca agccgggtgt catcttcctc 120  
accaagaagg ggcgacgttt ctgtgccaac ccagtgata agcaagttca ggtttgcatg 180  
agaatgctga agctggacac acggatcaag accaggaaga attgaacttg tcaaggtgaa 240

4

gggacacaag ttgccagcca ccaactttct tgcctcaact accttcctga attatttttt 300  
taagaagcat ttattcttgt gttctggatt tagagcaatt catc 344

<210> 5  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36782\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (270)..(290)  
<223> n is a, g, c or t

<400> 5  
ttttccaat atgacacctg gaagcagtcc acccagcgcc tgcgcagggg cctgcctgcc 60  
ctcctgcgtg cccgccgggg tcacgtgctc gccaaaggagc tcgaggcggt cagggaggcc 120  
aaacgtcacc gtcccctgat tgctctaccc acccaagacc ccgcccacgg gggcgcccc 180  
ccagagatgg ccagcaatcg gaagtgagca aaactgccgc aagtctgcag cccggcgcca 240  
ccatcctgca gctcctcct gaccacggan nnnnnnnnnn nnnnnnnnnn cgaaaatctc 300  
tcggttcac gtccccctgg ggcttctcct gaccagtc ccgtgccccg cctccccgaa 360  
acaggctact ctctcggcc ccctccatcg ggctgaggaa gcacagcagc atcttcaaac 420  
atgtacaaaa tcgattggct ttaaaca 447

<210> 6  
<211> 122  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37319\_at HG-U95Av2



5

<400> 6  
 cccaagaagg tctggcaaag tcaggctcag ggagactctg cctgctgca gacctcgggtg 60  
 tggacacacg ctgcatagag ctctccttga aaacagaggg gtctcaagac attctgccta 120  
 cc 122

<210> 7  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 431\_at HG-U95Av2

<400> 7  
 actctaagtg gcattcaagg agtacctctc tctagaaccg tacgctgtac ctgcatcagc 60  
 attagtaatc aacctgttaa tccaaggtct ttagaaaaac ttgaaattat tcctgcaagc 120  
 caattttgtc cacgtgttga gatcattgct acaatgaaaa agaaggggtga gaagagatgt 180  
 ctgaatccag aatcgaaggc catcaagaat ttactgaaag cagttagcaa ggaaa 235

<210> 8  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1006\_at HG-U95Av2

<400> 8  
 ctgaggaacc cctggtgccc acaaaatctg ttccttcggg atctgagatg ccagccaagt 60  
 gtgatcctgc tttgtccttc gatgccatca gcactctgag gggagaatat ctgttcttta 120  
 aagacagata tttttggcga agatcccact ggaaccctga acctgaattt catttgattt 180  
 ctgcattttg gccctctctt ccatcatatt tggatgctgc atatgaagtt aacagcaggg 240  
 acaccgtttt tattttttaa ggaaatgagt tctgggccat cagaggaaat gaggtacaag 300  
 caggttatcc aagaggcatc cataccctgg gttttcctcc aaccataagg aaaattgatg 360

6

cagctgtttc tgacaaggaa aagaagaaaa catacttctt tgcagcggac aaatactgga 420  
gatttgatga aaatagccag tccatggagc aaggcttccc tagactaata gctgatgact 480  
ttccaggagt tgagcctaag gttgatgctg tattacaggc atttggaattt ttctacttct 540  
tcagtggatc atcacagttt gagtttgacc ccaatgccag gatggtgaca cacatattaa 600  
agagtaa 607

<210> 9  
<211> 109  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1024\_at HG-U95Av2

<400> 9  
aagctctgaa gaactctctg gaagcccctg ggcccagtac ctagctggct ctgtgagggt 60  
gctgactggc ttcagcaagt tagaactagc caaaccagga ccctgtcca 109

<210> 10  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1052\_s\_at HG-U95Av2

<400> 10  
agaacgagaa gctgcaccag cgcgtggagc agctcacgcg ggacctggcc ggcctccggc 60  
agttcttcaa gcagctgccc agcccgcctt tcctgccggc cgccgggaca gcagactgcc 120  
ggtaacgcgc ggccggggcg ggagagactc agcaacgacc catacctcag acccgacggc 180  
ccggagcgga cgccctgctg ccgacgccag agccgcgcg tgcccgtgc agtttcttgg 240  
acatagacca aagaagctac agcctggact taccaccact aaactgcgag agaagctaaa 300  
cgtgtttatt ttcccttaaa ttatTTTTgt aatggtagct ttttctacat cttactcctg 360

7

ttgatgcagc taaggtacat ttgtaaaaag aaaaaaaacc agacttttca gacaaaccct 420

ttgtattgta gataagagg 439

<210> 11

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1058\_at HG-U95Av2

<400> 11

ctaagctttt ctctcatagc gtagacctag ggaagggatg ggaagattgc ccagtccccg 60

atggctgcgc acacaggagg cggcggacga caaggcaagt gagtttgcac tgtcagcccc 120

agaccgtaag cttgggtaca ctgatgtttt tctttactaa ggatactatt caaaaattaa 180

cattttcatc tcagtaagtt tttagaacat caaatgtttt tctgagctcc aagtggctag 240

gttgtaaaag ttttataata atttgcaatt aaaatacatg atacatatta atccattaaa 300

gactagtggg aatgtatcag ccagagtagc aagtaatttt tgttttataa atcatagtat 360

ctgtcatctt gcagtattac caatgctgtt gtaaattgaa tttaaagtgg tattaaaaaa 420

aactgttaaa caatttttat ctgtttgtat atcttactat aga 463

<210> 12

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1061\_at HG-U95Av2

<400> 12

tcatgccaaag acagtatcag acacagcccc agaagggggc attatgggcc ctgcctcccc 60

ataggccatt tggactctgc cttcaaacia aggcagttca gtccacaggc atggaagctg 120

tgaggggaca ggcctgtgcy tgccatccag agtcatctca gccctgcctt tctctggagc 180

8

attctgaaaa cagatattct ggcccagga atccagccat gacccccacc cctctgcaa 240

agtactctta ggtgccagtc tggtaactga actccctctg gaggcaggct tgagg 295

<210> 13

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1069\_at HG-U95Av2

<400> 13

ggttgaatgt ttgtccttag gataggccta tgtgctagcc cacaaagaat attgtctcat 60

tagcctgaat gtgccataag actgacctt taaaatgttt tgagggatct gtggatgctt 120

cgttaatttg ttcagccaca atttattgag aaaatattct gtgtcaagca ctgtgggttt 180

taatattttt aaatcaaacg ctgattacag ataatagtat ttatatataat aattgaaaaa 240

aattttcttt tgggaagagg gagaaaatga aataaatatc attaaagata actcaggaga 300

atcttcttta caa 313

<210> 14

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1086\_at HG-U95Av2

<400> 14

agatgtgtcc ccaacatccc cacagcccga gggcctcctt gtcctgcagc aagtgggcga 60

ctattgcttc ctccccggcc tggggcccg gacctctctg ctccggagta aaccttcttc 120

cccgggaccc ggtcctgaga tcaagaacct agaccaggct tttcaagtca agaagcccc 180

aggccaggct gtgccccagg tgcccgtcat tcagctcttc aaagccctga agcagcagga 240

ctacctgtct ctgccccctt gggaggtcaa caagcctggg gaggtgtgtt gagaccccca 300

ggcctagaca ggcaagggga tggagagggc ttgccttccc tcccgctga ccttcctcag 360  
 tcattttctgc aaagccaagg ggcagcctcc tgtcaaggta gctagaggcc tgggaaagga 420  
 gatagccttg ctccggcccc cttgaccttc agcaaatac ttctctccct gcgctcacac 480  
 agacacacac acacacacgt acatgcacac atttttcctg tcagggttaa 529

<210> 15  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1102\_s\_at HG-U95Av2

<400> 15  
 gtgaagggtg ctgaggctct gaccagtg gattacagag gaagttatcc tctgcctccc 60  
 attctgacca cccttctcat tccaacagtg agtctgtcag cgcaggttta gtttactcaa 120  
 tctccccttg cactaaagta tgtaaagtat gtaaacagga gacaggaagg tggtgcttac 180  
 atccttaaag gcaccatcta atagcgggtt actttcacat acagccctcc cccagcagtt 240  
 gaatgacaac agaagcttca gaagtttggc aatagtttgc atagaggtag cagcaatatg 300  
 taaatagtgc agaattctcat aggttgccaa taatacacta attcctttct atcctacaac 360  
 aagagttta 369

<210> 16  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1105\_s\_at HG-U95Av2

<400> 16  
 ctagctccaa aaccatccca ggtcattctt catcctcacc caggattctc ctgtacctgc 60  
 tcccaatctg tgttcctaaa agtgattctc actctgcttc tcatctocta cttacatgaa 120

10

tacttctctc tt

132

&lt;210&gt; 17

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1113\_at HG-U95Av2

&lt;400&gt; 17

aagatgaaca cagctggtca cagataaggc cattgctagt aacttttggc catgatggaa 60

aagggcatcc tctccacaaa agagaaaaac gtcaagccaa acacaaacag cggaacgcc 120

ttaagtccag ctgtaagaga caccctttgt acgtggactt cagtgcgtg ggggtggaatg 180

actggattgt ggctcccccg gggatatcacg ccttttactg ccacggagaa tgcccttttc 240

ctctggctga tcatctgaac tccactaatc atgccattgt tcagacgttg gtcaactctg 300

ttaactctaa gattcctaag gcatgctgtg tcccgacaga actcagtgt atctcgatgc 360

tgtaccttga cgagaatgaa aaggttgtat taaagaacta tcaggacatg gttgtggagg 420

gttgtgggtg tcgctagtac agcaaaatta a 451

&lt;210&gt; 18

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1114\_at HG-U95Av2

&lt;400&gt; 18

caggattagc cgatcgttac ctcaagggag tgggaattgg gccagctcc ggccccctct 60

ggtcaccttt ggccatgatg gccggggcca tgccttgacc cgacgccgga gggccaagcg 120

tagccctaag catcactcac agcggggccag gaagaagaat aagaactgcc ggcgccactc 180

gctctatgtg gacttcagcg atgtgggctg gaatgactgg attgtggccc caccaggcta 240

11

ccaggccttc tactgccatg gggactgccc ctttccactg gctgaccacc tcaactcaac 300  
 caaccatgcc attgtgcaga ccctgggtcaa ttctgtcaat tccagtatcc ccaaagcctg 360  
 ttgtgtgccc actgaactga gtgccatctc catgctgtac ctggatgagt atgataaggt 420  
 ggtactgaaa aattatcagg agatggtagt agagggatgt gggtgccgct gagatcaggc 480  
 agtccttgag gatagacaga tatac 505

<210> 19  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1126\_s\_at HG-U95Av2

<400> 19  
 aaagctagtg atcaacagtg gcaatggagc tgtggaggac agaaagccaa gtggactcaa 60  
 cggagaggcc agcaagtctc aggaaatggt gcatttggtg aacaaggagt cgtcagaaac 120  
 tccagaccag tttatgacag ctgatgagac aaggaacctg cagaatgt 168

<210> 20  
 <211> 547  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1184\_at HG-U95Av2

<400> 20  
 tcagctcttg caagaggact ccctcaatgt ggctgacttg acttccctcc gggccccact 60  
 ggacatcccc atcccagacc ctccacccaa ggatgatgag atggaaacag ataagcagga 120  
 gaagaaagaa gtccctaagt gtggatttct ccctgggaat gagaaagtcc tgtccctgct 180  
 tgccctgggt aagccagaag tctggactct caaagagaaa tgcattctgg tgattacatg 240  
 gatccaacac ctgatcccca agattgaaga tggaaatgat tttggggtag caatccagga 300

12

gaaggtgctg gagaggggtga atgccgtcaa gaccaaagtg gaagctttcc agacaaccat 360  
 ttccaagtac ttctcagaac gtgggggatgc tgtggccaag gcctccaagg agactcatgt 420  
 aatggattac cgggccttgg tgcattgagcg agatgaggca gcctatgggg agctcagggc 480  
 catggtgctg gacctgaggg ccttctatgc tgagctttat catatcatca gcagcaacct 540  
 ggagaaa 547

<210> 21  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1207\_at HG-U95Av2

<400> 21  
 ttctccgagg tctggacttt cttcattcac accgagtagt gcatcgcgat ctaaaaccac 60  
 agaacattct ggtgaccagc agcggacaaa taaaactcgc tgacttcggc cttgcccga 120  
 tctatagttt ccagatggct ctaacctcag tggtcgtcac gctgtggtac agagcaccgc 180  
 aagtcttgct ccagtccagc tacgccaccc ccgtggatct ctggagtgtt ggctgcatat 240  
 ttgcagaaat gtttcgtaga aagcctcttt ttcgtggaag ttcagatgtt gatcaactag 300  
 gaaaaatctt ggacgtgatt ggactcccag gagaagaaga ctggcctaga gatgttgccc 360  
 ttcccaggca ggcttttcat tcaaatctg cccaacc 397

<210> 22  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 120\_at HG-U95Av2

<400> 22  
 tgacatcaaa tggttaccct gtgctgtacc caactggatt gtcattcttct gagaatgcaa 60



13

actgcagacc ccatatcttt gaggatcctt tcagtatcaa ctctggaaag aaaatgacta 120  
catcaactga ccatctcaaa cgaggcacia ttctggactg caatacatgt aaatttgcta 180  
ccatcacatg taatctcact tcttctgaca tcagccaagt caatgtttcg cttatcttgt 240  
ggaaaccaac ttttataaaa tcatatTTTT ccagcttaaa tcttactata aggggagAAC 300  
ttcggagtga aaatgcatct ctggTTTTaa gtagcagcaa tcaaaaaaga gagcttgcta 360  
ttcaaatatc caaagatggg ctaccgggca gagtgcatt atgggtcatc ctgctgagt 420  
cttttgccgg attgttgctg ttaatgctgc tcatttttagc actgtggaag attggattct 480  
t 481

&lt;210&gt; 23

&lt;211&gt; 595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1212\_at HG-U95Av2

&lt;400&gt; 23

gccctggagc agatcctaca gagcacagcg ggcataact gtgtaggaga cgaggtagacc 60  
atggctgac tgtgcttggg gcctcagggtg gcaaagtctg aaagattcaa ggtggatctc 120  
acccctacc ctaccatcag ctccatcaac aagaggctgc tggctcttga gcccttcag 180  
gtgtctcacc cctgccggca gccagatata cccactgagc tgagggccta gctcccaaat 240  
cctgccccgt tggcacaggg ccacaggagc agaagctggg tgggctgaag aggcctggaa 300  
acgagagtct taattgagga gatgggagac tcgaactcta gccctggatc tgccttcctg 360  
ctgaaacttg ttccacctca gtcccctcat ctgtcacacg catgtggggg ggagtaggga 420  
gatgcgggga gcagggtggg caggaatact gttatctatg tgacggggca gtcgtgaggc 480  
tgagatgaga atgcggatta aaatgcctgg cgtgctcacc gtaacaccac ggggaaggct 540  
gtgtgccttt tctcatccgc ttttgttgtg tgtgactcca aagaatgccc gcgct 595

14

<210> 24  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1223\_at HG-U95Av2

<400> 24  
gcgtgaccgc cttctctgag ttccgcacct acagcttccc ctgctacctc ccgcagccgc 60  
tcataacca cgcgcccagg ttggatacgg atggcatcca cctcctgagc agcctgctcg 120  
tgtatgaatc caagagtcgc atgtcagcag aggctgccct gagtcactcc tacttccggt 180  
ctctgggaga gcgtgtgcac cagcttgaag aactgcctc catcttctcc ctgaaggaga 240  
tccagctcca gaaggaccca ggctaccgag gcttggcctt ccagcagcca ggacgaggga 300  
a 301

<210> 25  
<211> 85  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1226\_at HG-U95Av2

<400> 25  
ttatattgat aacagcactg actagggaaa tgatcagttt tttttttata cactgtaatg 60  
aaccgctgaa tatgaggcat ttggc 85

<210> 26  
<211> 337  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1227\_g\_at HG-U95Av2

<400> 26  
aactggacca ccagagaatg gacaccatcc aggaagaccc cagcacagac tcacatatgg 60

15

acgaggatgg gtttgagaag gaccccttcc caaatagcag cacagctgcc aagtcatttg 120  
aggatctcac ggaccatccg gtcaccagaa gtgaaaaggc tgcctccttt aaactgcagc 180  
gtcagaatcg tgttgacagc aaagaaacag agtgctaatt tagttctcag ctcttctgac 240  
ttaagtgtgc aaaatatttt tatagatttg acctacaatc aatcacagct tatattttgt 300  
gaagactggg aagtgactta gcagatgctg gtcattgt 337

&lt;210&gt; 27

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1237\_at HG-U95Av2

&lt;400&gt; 27

agaccgaggc gcatagagac cgagcacagc ccagctgggc taggcccggg gggaaggaga 60  
gcgtcgtaa tttatttctt attgctccta attaataatt atatgtattt atgtacgtcc 120  
tcctaggtga tgagatgtgt acgtaatat tattttaact tatgcaaggg tgtgagatgt 180  
tccccctgct gtaaatgcag gtctcttggt atttattgag ctttgtggga ctggtggaag 240  
caggacacct ggaactgcgg caaagtagga gaagaaatgg ggaggactcg ggtgggggag 300  
gacgtcccgg ctgggatgaa gtctgggtgg gggtcgtaag tttaggaggt gactgcatcc 360  
tccagcattc tcaactccgt ctgtctactg tgtgagactt cggcggacca ttaggaatga 420  
gatccgtgag atccttccat cttcttgaag tcgcctttag ggtggctgcg aggtagaggg 480  
ttgggggttg gtgggctgtc acggagcgac tgctgagatc gcctagtatg ttctgtgaac 540  
acaaata 547

16

<210> 28  
<211> 373  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 128\_at HG-U95Av2

<400> 28  
cctacccata tgtgggacag gaagagagtt gtatgtacaa cccaacaggc aaggcagcta 60  
aatgcagagg gtacagagag atccccgagg ggaatgagaa agccctgaag agggcagtgg 120  
cccgagtggg acctgtctct gtggccattg atgcaagcct gacctccttc cagttttaca 180  
gcaaagggtgt gtattatgat gaaagctgca atagcgataa tctgaaccat gcggttttgg 240  
cagtgggata tggaatccag aagggaaca agcactggat aattaaaaac agctggggag 300  
aaaactgggg aaacaaagga tatatcctca tggctcgaaa taagaacaac gcctgtggca 360  
ttgccaacct ggc 373

<210> 29  
<211> 228  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 129\_g\_at HG-U95Av2

<400> 29  
agactctgtc gactatcgaa agaaaggata tgttactcct gtcaaaaatc agggtcagtg 60  
tggttcctgt tgggctttta gctctgtggg tgccctggag ggccaactca agaagaaaac 120  
tggcaaactc ttaaactctga gtccccagaa cctagtggat tgtgtgtctg agaatgatgg 180  
ctgtggaggg ggctacatga ccaatgcctt ccaatatgtg cagaagaa 228

17

<210> 30  
<211> 560  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1334\_s\_at HG-U95Av2

&lt;400&gt; 30

atttattact atgactgctc cccagccctg gctctgcaat gggcactggg atgagccgct 60  
gtgagcccct ggtcctgagg gtccccacct gggacccttg agagtatcag gtctcccacg 120  
tgggagacaa gaaatccctg tttaatatth aaacagcagt gttccccatc tgggtccttg 180  
caccctcac tctggcctca gccgactgca cagcggcccc tgcattccct tggctgtgag 240  
gccctggac aagcagaggt ggccagagct gggaggcatg gccctggggc cccacgaatt 300  
tgctggggaa tctcgttttt cttcttaaga cttttgggac atggtttgac tcccgaacat 360  
caccgacgtg tctcctgttt ttctgggtgg cctcgggaca cctgccctgc ccccacgagg 420  
gtcaggactg tgactctttt tagggccagg cagggtgcctg gacatttgcc ttgctggatg 480  
gggactgggg atgtgggagg gagcagacag gaggaatcat gtcaggcctg tgtgtgaaag 540  
gaagctccac tgtcaccctc 560

<210> 31  
<211> 361  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1369\_s\_at HG-U95Av2

&lt;400&gt; 31

ttttcctaga tattgcacgg gagaatatac aaatagcaaa attgggccaa gggccaagag 60  
aatatccgaa ctttaatttc aggaattgaa tgggtttgct agaattgtgat atttgaagca 120  
tcacataaaa atgatgggac aataaatttt gccataaagt caaatttagc tggaaatcct 180  
ggattttttt ctgttaaatac tggcaaccct agtctgctag ccaggatcca caagtccttg 240

18

ttccactgtg ccttggtttc tcotttattt ctaagtggaa aaagtattag ccaccatctt 300  
 acctcacagt gatgttgtga ggacatgtgg aagcacttta agttttttca tcataacata 360  
 a 361

<210> 32  
 <211> 553  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1370\_at HG-U95Av2

<400> 32  
 cccatctgag gatgtagtgc tcaactccaga aagctttgga agagattcat ccctcacatg 60  
 cctggctggg aatgtcagtg catgtgacgc ccctattctc tcctcttcca ggtccctaga 120  
 ctgcagggag agtggcaaga atgggcctca tgtgtaccag gacctcctgc ttagccttgg 180  
 gactacaaac agcacgctgc cccctccatt ttctctccaa tctggaatcc tgacattgaa 240  
 cccagttgct cagggtcagc ccattcttac ttccctggga tcaaatacaag aagaagcata 300  
 tgtcaccatg tccagcttct accaaaacca gtgaagtgtg agaaaccag actgaactta 360  
 ccgtgagcga caaagatgat ttaaaaggga agtctagagt tcctagtctc cctcacagca 420  
 cagagaagac aaaattagca aaaccctact acacagtctg caagattctg aaacattgct 480  
 ttgaccactc ttcctgagtt cagtggcact caacatgagt caagagcatc ctgcttctac 540  
 catgtggatt tgg 553

<210> 33  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1372\_at HG-U95Av2

19

<400> 33  
 atcttttggga actccttttga tctcactggtt attattaaca tttattttatt attttttctaa 60  
 atgtgaaaga aatacataat ttagggaaaa ttggaaaata taggaaactt taaacgagaa 120  
 aatgaaacct ctcataatcc cactgcatag aaataacaag cgttaacatt ttcataatattt 180  
 tttcttttcag tcattttttgt atttgtggta tatgtatata tgtacctata tgtattttgca 240  
 tttgaaatatt tggaatcctg ctctatgtac agtttttgtat tataacttttt aaatcttgaa 300  
 ctttatgaac atttttctgaa atcattgatt attctacaaa aacatgattt taaacagctg 360  
 taaaatattc tatgatatga atgtttttatg cattattttaa gcctgtctct attgtttggaa 420  
 tttcaggtca ttt 433

<210> 34  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1377\_at HG-U95Av2

<400> 34  
 gtccacaaga cagaagctga agtgcaccca aaggtgctca gagagccggc ccgcctgaat 60  
 cattctcgat ttaactcgag accttttcaa cttggcttcc tttcttggtt cataaatgaa 120  
 ttttagtttg gttcacttac agatagtatc tagcaatcac aacactggct gagcggatgc 180  
 atctggggat gaggttgctt actaagcttt gccagctgct gctggatcac agctgctttc 240  
 tgttgtc 247

<210> 35  
 <211> 244  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1378\_g\_at HG-U95Av2

20

<400> 35  
 agcccagtgga agaccacctc tcaggcccccac tcgctgcctc tctcgctgc ctccacaagg 60  
 cagcaaataag acgagctccg agacagtgac agtgtctgcg acacgggcggt ggagacatcc 120  
 ttccgcaaac tcagctttac cgagtctctg accagtggtg cctcactgct aactctcaac 180  
 aaaatgcccc atgattatgg gcaggaagga cctctagaag gcaaaattta gcctgctgac 240  
 aatt 244

<210> 36  
 <211> 571  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1385\_at HG-U95Av2

<400> 36  
 tgaagcacta caggaggaat gcaccacggc agctctccgc caattttctct cagatttcca 60  
 cagagactgt ttgaatgttt tcaaaaccaa gtatcacact ttaatgtaca tgggccgcac 120  
 cataatgaga tgtgagcctt gtgcatgtgg gggaggaggg agagagatgt actttttaaa 180  
 tcatgttccc cctaaacatg gctgttaacc cactgcatgc agaaacttgg atgtcactgc 240  
 ctgacattca cttccagaga ggacctatcc caaatgtgga attgactgcc tatgccaaagt 300  
 ccctggaaaa ggagcttcag tattgtgggg ctcataaaac atgaatcaag caatccagcc 360  
 tcatgggaag tcctggcaca gtttttgtaa agcccttgca cagctggaga aatggcatca 420  
 ttataagcta tgagttgaaa tgttctgtca aatgtgtctc acatctacac gtggcttgga 480  
 ggcttttatg gggccctgtc caggtagaaa agaaatggta tgtagagctt agatttccct 540  
 attgtgacag agccatgggtg tgtttgtaat a 571

<210> 37  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens



21

&lt;220&gt;

&lt;223&gt; Probe 1400\_at HG-U95Av2

&lt;400&gt; 37

```
tctcctgaac ctgagtagag acactgctgc tgagatgaat gaaacagtag aagtcattctc      60
agaaatgttt gacctccagg agccgacctg cctacagacc cgcttggagc tgtacaagca      120
gggcctgctg ggcagcctca ccaagctcaa gggccccttg accatgatgg ccagccacta      180
caagcagcac tgccctccaa ccccggaaac ttcctgtgca accagatta tcacctttga      240
aagtttcaaa gagaacctga aggactttct gcttgctc      277
```

&lt;210&gt; 38

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1401\_g\_at HG-U95Av2

&lt;400&gt; 38

```
cctgaaggac tttctgcttg tcatcccctt tgactgctgg gagccagtcc aggagtgaga      60
ccggccagat gaggttggcc aagccgggga gctgctctct catgaaacaa gagctagaaa      120
ctcaggatgg tcatcttgga gggaccaagg ggtgggccac agccatggtg ggagtggcct      180
ggacctgccc tggggcacac tgacctgat acaggcatgg cagaagaatg ggaatatttt      240
atactgacag aaatcagtaa tatttatata tttatatttt taaaatatat atttatttat      300
ttatttaagt tcatattcca tatttattca agatgtttta ccgtaata      348
```

&lt;210&gt; 39

&lt;211&gt; 331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1402\_at HG-U95Av2

22

<400> 39  
ttgcacttat gatttcatgt gcggggatca tctgccgtgc ctggatcctg aaatagaggc 60  
taaattactc aggaagaaca ccctctaaat gggaaagtat tctgtactct tagatggatt 120  
ctccactcag ttgcaacttg gacttgtcct cagcagctgg taatcttgct ctgcttgaca 180  
acatctgagt gcagccgttt gagaagaaaa catctattct ctccaaaaat gcaccaact 240  
agctctatgt ttacaaatgg acataggact caaagtttca gagaccattg caatgaatcc 300  
ccaataattg cagaactaaa ctcatTTata a 331

<210> 40  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1403\_s\_at HG-U95Av2

<400> 40  
gagcttctga ggcgctgctt tgtcaaaagg aagtctctag gttctgagct ctggctttgc 60  
cttg 64

<210> 41  
<211> 46  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1405\_i\_at HG-U95Av2

<400> 41  
agcttcccca actaaagcct agaagagctt ctgaggcgct gctttg 46

23

<210> 42  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Probe 1433\_g\_at HG-U95Av2

<400> 42  
 cctctcagaa cataactgatt gggagggtgcg tgttcagcag aacctgcaca caggacagcg 60  
 ggaaaaatcg atgagcgcca cctcttttaa aactcactta cgttgtcctt tttcactttg 120  
 aaaagttgga aggactgctg aggcccagtg catatgcaat gtatagtgtc tattatcaca 180  
 ttaatctcaa agagattcga atgacggtaa gtgttctcat gaagcaggag gcccttgctg 240  
 tgggatggca tttggtctca ggcagcacca cactgggtgc gtctccagtc atctgtaaga 300  
 gcttgctcca gattctgatg catacggcta tattggttta tgtagtcagt tgcattcatt 360  
 a 361

<210> 43  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Probe 1451\_s\_at HG-U95Av2

<400> 43  
 gttgacttca ggaactgaaa catcagcaca aagaagcaat catcaaataa ttctgaacac 60  
 aaatttaata tttttttttc tgaatgagaa acatgaggga aattgtggag ttagcctcct 120  
 gtggtaaagg aattgaagaa aatataaacac cttacaccct tttcatctt gacattaaaa 180  
 gttctggcta actttggaat ccattagaga aaaatccttg tcaccagatt cattacaatt 240  
 caaatcgaag agttgtgaac tgttatccca ttgaaaagac cgagccttgt atgtatgtta 300  
 tggatacata aaatgcacgc aagccattat ctctccatgg gaagctaagt tataaaaata 360  
 ggtgcttggt gtacaaaact ttttatatca aaaggctttg cacatttcta tatgagtggg 420

24

tttactggta aattatgtta ttttttaciaa ctaattttgt actctcagaa tgtttgtcat 480  
atgcttcttg caatgcata 499

<210> 44  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1457\_at HG-U95Av2

<400> 44  
caaacagcag ctaaaatatg ccgttcagat ttgtaagggg atggactatt tgggttctcg 60  
gcaatacgtt caccgggact tggcagcaag aaatgtcctt gttgagagtg aacaccaagt 120  
gaaaattgga gacttcggtt taaccaaagc aattgaaacc gataaggagt attacaccgt 180  
caaggatgac cgggacagcc ctgtgttttg gtatgctcca gaatgtttaa tgcaatctaa 240  
attttatatt gcctctgacg tctgggtcttt tggagtcact ctgcatgagc tgctgactta 300  
ctgtgattca gattctagtc ccatggcttt gttcctgaaa atgataggcc caacccatgg 360  
ccagatgaca gtcacaagac ttgtgaatac gttaaaagaa ggaaaacgcc tgccgtgccc 420  
acctaactgt ccagatgagg tttatcagct tatgagaaaa tgctgggaat tccaaccatc 480  
caatcggaca agctttcaga accttattga aggatttgaa gca 523

<210> 45  
<211> 577  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1461\_at HG-U95Av2

<400> 45  
tcagatgctg ccagagagtg aggatgagga gagctatgac acagagtcag agttcacgga 60  
gttcacagag gacgagctgc cctatgatga ctgtgtgttt ggaggccagc gtctgacgtt 120

25

atgagtgcaa aggggctgaa agaacatgga cttgtatatt tgtacaaaaa aaaagtttta 180  
 tttttctaaa aaaagaaaaa agaagaaaaa atttaaaggg tgtacttata tccacactgc 240  
 aactgccta gcccacaaacg tcttattgtg gtaggatcag ccctcatttt gttgcttttg 300  
 tgaacttttt gtaggggacg agaaagatca ttgaaattct gagaaaactt cttttaaacc 360  
 tcacctttgt ggggtttttg gagaagggtta tcaaaaattt catggaagga ccacatttta 420  
 tattttattgt gcttcgagtg actgacccca gtggtatcct gtgacatgta acagccagga 480  
 gtgttaagcg ttcagtgatg tggggtgaaa agttactacc tgtcaagggt tgtgttaccc 540  
 tctgttaaatt ggtgtacata atgtattgtt ggtaatt 577

&lt;210&gt; 46

&lt;211&gt; 611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1520\_s\_at HG-U95Av2

&lt;400&gt; 46

acttcaccat gcaatttgtg tcttcctaaa gagagctgta cccagagagt cctgtgctga 60  
 atgtggactc aatccctagg gctggcagaa agggaacaga aaggtttttg agtacggcta 120  
 tagcctggac tttcctgttg tctacaccaa tgcccaactg cctgccttag ggtagtgcta 180  
 agaggatctc ctgtccatca gccaggacag tcagctctct cctttcaggg ccaatcccca 240  
 gcccttttgt tgagccaggc ctctctcacc tctctactc acttaaagcc cgctgacag 300  
 aaaccacggc cacatttggg tctaagaaac cctctgtcat tcgctccac attctgatga 360  
 gcaaccgctt ccctatttat ttatttat tttgtttgt tttgattcat tgggtctaatt 420  
 tattcaaagg gggcaagaag tagcagtgtc tgtaaaagag cctagttttt aatagctatg 480  
 gaatcaattc aatttggact ggtgtgctct ctttaaatca agtcctttaa ttaagactga 540  
 aaatatataa gctcagatta tttaaatggg aatatttata aatgagcaaa tatcatactg 600

26

ttcaatgggtt c

611

&lt;210&gt; 47

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1561\_at HG-U95Av2

&lt;400&gt; 47

gtgctgtttt cgcccttcgg ccgggcgggc gcccgggac caggcggcgg cagcgacctg 60

cggcggcggg aggcagcgag ggctgagccc cgggacgcgc ggaccggctg gcccgaggag 120

ccggccccgg agacgcagtt caagcgccgc agctgccaga tggagttcga ggagggcatg 180

gtggaggggc gcgcgcgcgc cgaggagctg gccgccctgg gcaagcaggc gagcttctcg 240

ggcagcgtgg aggtcatcga ggtgtcctga cccctccgct gccctcggcc ccgcgcgccg 300

cagccaggcc cgttataaat gtatatta 328

&lt;210&gt; 48

&lt;211&gt; 212

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1562\_g\_at HG-U95Av2

&lt;400&gt; 48

tatttaagct gttcattctg gcaatgattt ggcaacagtg cgggtgggcc tcgagctcta 60

tttttactgt ctggtattta aactgaaaca tacgtttcta agcaatacga ggccaccttc 120

agtcgcaagc tgggtgccag gcctggggcc ctcccagttc ccccgcccca ggaaacactg 180

ctgacctttg caaaggctgc cgagctttcg tg 212

27

<210> 49  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1573\_at HG-U95Av2

<400> 49  
aaggacattg tatgcaggga gcactgttca catcatagat aaagctgatt tgtatatatta 60  
ttatgacaat ttctggcaga tgtaggtaaa gaggaagagg atccttttcc taattcacac 120  
aaagactcct tgtggactgg ctgtgccct gatgcagcct gtggctggag tggccaaata 180  
ggagggagac tgtggtaggg gcagggaggg aacactgctg tccacatgac ctccatttcc 240  
caaagtcttc tgctccagca actgcccttc cagggtgggtg tgggacacct gggagaagg 300  
ctccaaggga ggggtgcagc ctcttgcccg caccctccc tgcttgaca ctccccatc 360  
tttgatcctt ctgagctcca cctctggtgg ctctcctag gaaaccagct cgtgggctgg 420  
gaatggggga gagaaggga aagatcccca agacccctg ggggtgggac tgagctccca 480  
cctcccttcc cacctactgc actttcccc ttcccgctt caaaacctg ctctcttcag 540  
t 541

<210> 50  
<211> 247  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1577\_at HG-U95Av2

<400> 50  
catggaattc tatttgctgg gctttttttt tctctttctc tcctttcttt ttcttcttcc 60  
ctccctatct aaccctccca tggcaccttc agactttgct tccattgtg gctcctatct 120  
gtgttttgaa tgggtgttga tgcctttaa tctgtgatga tcctcatatg gccagtgctc 180  
aagttgtgct tgtttacagc actactctgt gccagccaca caaacgttta cttatcttat 240

28

gccacgg

247

&lt;210&gt; 51

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 158\_at HG-U95Av2

&lt;400&gt; 51

gcacccaaaat tactttttcca agagaaggag atgaaaacac caaatagtat tccagcagac 60

attgtttttta tcattaaaga caaagatcat ccaaaattta aaagggatgg atcaaatata 120

atttactgct aaaattagtt tacgagagga gattgtgtgg cgtgctcaat taatgtacca 180

acactggatg gaagaacata cctatgtcag taaatgatat tgtgaacccg gaatgaggag 240

aagaattatt ggatatgggc tgccatttcc aaaaaatcct gaccaacgtg gtgaccttct 300

aatagaattt gaggtgtcct tcccagatac tatatcttct tcatggaaag aagtactaga 360

catctccgcc tcatagaatg agacttgtag a 391

&lt;210&gt; 52

&lt;211&gt; 181

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1591\_s\_at HG-U95Av2

&lt;400&gt; 52

ggacgtttcc atcaggttcc atcccgaata tctctcgggt ccacgtcccc ctggggcttc 60

tcctgacca gtccccgtgc cccgcctccc cgaaacaggc tactctcctc ggccccctcc 120

atcgggctga ggaagcacag cagcatcttc aaacatgtac aaaatcgatt ggcttttaaac 180

a 181



29

<210> 53  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 159\_at HG-U95Av2

<400> 53  
 gtactgtttt ccagttcatc gattttctat tatggaaaac tgtgttgcca cagtagaact 60  
 gtctgtgaac agagagaccc ttgtgggtcc atgctaaca agacaaaagt ctgtctttcc 120  
 tgaaccatgt ggataacttt acagaaatgg actggagctc atctgcaaaa ggcctcttgt 180  
 aaagactggg tttctgccaa tgaccaaaca gccaaagattt tctctttgtg atttctttaa 240  
 aagaatgact atataattta tttccactaa aaatattgtt tctgcattca tttttatagc 300  
 aacaacaatt ggtaaaactc actgtgatca a 331

<210> 54  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1633\_g\_at HG-U95Av2

<400> 54  
 tgttatccca agtgctctta ttctgggtgag aagaacctta attccataat ttgggaagga 60  
 atggaagatg gacaccaccg gacaccacca gacaatagga tgggatggat ggttttttgg 120  
 gggatgggct aggggaaata aggcttgctg tttgttttcc tggggcgctc cctccaattt 180  
 tgcagatttt tgcaacctcc tctgagccg ggattgtcca attactaaaa tgtaaataat 240  
 cacgtattgt ggggagggga gttccaagtg tgccctcctt ttttttctg cctggattat 300  
 ttaaaaagcc atgtgtggaa acccactatt taa 333

30

<210> 55  
<211> 445  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1637\_at HG-U95Av2

<400> 55  
tgacaaaagc cagcatactt tccctgcacc catctgctca ccagatctca ggcaggaaag 60  
cccctctctg ttgaagtcag gggctatctt ttggtatact tgtgtgaaag tggctggttg 120  
ggagcagagc taagtggctt cccattaacc tgaggtctct ttctttactc tgggtcagac 180  
ctgaggttgg ggaaggcgac tgagccatgc tcagaatgtc tggtcctggc ttgggcctga 240  
gtagggcaga gagggccttt catggctgat cagagcttac cagccccacc ccaccatggt 300  
agccttaggg tgctgagtgc ctgatactgc ctgacaagtg cctgacacgc agcctagttc 360  
cttcctggcc cctctctcac tggctgggaa accctagacc atgtcagata ggacaacact 420  
gctggggtttt acatccagat agtaa 445

<210> 56  
<211> 196  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1652\_at HG-U95Av2

<400> 56  
caccacacaa acttagttca tatgctttta cttgggcaag ggtgctttcc ttccaatacc 60  
ccagtagctt ttatttttagt aaagggaccc tttcccctag cctaggggcc catattgggt 120  
caagctgctt acctgcctca gccaggatt ttttattttg ggggaggtaa tgccctgttg 180  
ttaccccaag gcttct 196

<210> 57  
 <211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1669\_at HG-U95Av2

<400> 57  
 tcagcccact acatagatag cttttttttt tttttttttt ttttaataag gacacctott 60  
 tccaaacagg ccatcaaata tgttcttatt tcagacttac gttgttttaa aagtttggaa 120  
 agatacacat cttttcatac ccccccttag gaggttgggc tttcatatca cctcagccaa 180  
 ctgtggctct taattttattg cataatgata tccacatcag ccaactgtgg ctctttaatt 240  
 tattgcataa tgatattcac atcccctcag ttgcagtga ttgtgagcaa aagatcttga 300  
 aagcaaaaag cactaattag tttaaaatgt cacttttttg gtttttatta tacaaaaacc 360  
 atgaagtact ttttttattt gctaaatcag attgttcctt tttagtgact catgtttatg 420  
 aagagagttg agtttaacaa tcctagcttt taaaagaaac tattttaatgt aaaatattct 480  
 acatgtcatt cagatattat gtatatcttc tagcctttat tctgtacttt taatgtacat 540  
 atttctgtct tgcgtgatt 559

<210> 58  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1674\_at HG-U95Av2

<400> 58  
 gaagatggac ttcattgcaag ttggcagtgg ttctggtact aaaaattgtg gttgtttttt 60  
 ctgtttacgt aacctgctta gtattgacac tctctaccaa gagggctctc ctaagaagag 120  
 tgctgtcatt atttctctt atcaacaact tgtgacatga gattttttta gggctttatg 180  
 tgaactatga tattgtaatt tttctaagca tattcaaaaag ggtgacaaaa ttacgtttat 240

32

gtactaaatc taatcaggaa agtaaggcag gaaaagttga tggattcat taggttttaa 300  
 ctgaatggag cagttcctta tataataaca attgtatagt agggataaaa cactaacaat 360  
 gtgtattcat tttaaattgt tctgtatttt taaattgcc aaaaaaaca ctttgtaa 420  
 ttggagatat tttccaacag cttttcgtct tcagtgtctt aatgtggaag ttaac 475

<210> 59  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1717<sup>0</sup>\_s\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> (330)..(330)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (336)..(336)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (343)..(343)  
 <223> n is a, g, c or t

<400> 59  
 , atatatgtat ctaaaccata tgaacatata ttttttagaa actaagagaa tgataggctt 60  
 ttgttcttat gaacgaaaaa gaggtagcac tacaaacaca atattcaatc caaatttcag 120  
 cattattgaa attgtaagtg aagtaaaact taagatattt gagttaacct ttaagaattt 180  
 taaatatttt ggcattgtac taataccggg aacatgaagc caggtgtggt ggtatgtacc 240  
 tgtagtccca ggctgaggca agagaattac ttgagcccag gagtttgaat ccacctctggg 300

33

cagcatactg agaccctgcc tttaaaaaacn aacagnacca aanccaaaca ccaggggacac 360

atttctctgt cttttttgat cagtgtccta tacatcgaag gtgtgcatat atgttg 416

<210> 60

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1737\_s\_at HG-U95Av2

<400> 60

aagagacatg taccttgacc atcgctcctc ctctcaagct agccagaggg tgggagccta 60

aggaagcgtg gggtagcaga tggagtaatg gtcacgaggt ccagaccac tcccaaagct 120

cagacttgcc aggtccctt tctcttcttc ccaggtcct tccttaggt ctggttggtg 180

caccatctgc ttggttggtt ggcagctgag agccctgctg tgggagagcg aaggggggtca 240

aaggaagact tgaagcacag agggctaggg aggtggggta ctttctctg agcagtcagg 300

gtgggaagaa agaatgcaag agtggactga atgtgcctaa tggagaagac ccacgtgcta 360

ggggatgagg ggcttcctgg gtcctgttcc ctacccatt tgtggtcaca gccatgaagt 420

caccgggatg aacctatcct tccagtgggt cgtccctgt agctctgcct ccctctccat 480

atctccttcc cctacacctc cctccccaca cctccctact ccctgggca ttttctggt 540

tgactggatg gaagga 556

<210> 61

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 1761\_at HG-U95Av2

<400> 61

gaggttgatc cacagaggac tgggacacac cagcagaatc tcccagagtg tcattacagt 60

34

```

ggaagacttc gagacgattg atgcaggata ttacatttgc actgctcaga atcttcaagg      120
acagaccaca gtagctacca ctgttgagtt ttcctgactt ggaaaaggaa atgtaatgaa      180
cttatggaaa gccatttgt gtacacagtc agctttgggg ttccttttat tagtgctttg      240
ccagaggctg atgtcaagca ccacacccca accccagcgt ctggtgagtc cgaccagac      300
atccaaacta aaaggaagtc atccagtcta ttcacagaag tgттаacttt tctaacagaa      360
agcatgattt tgattgctta cctac                                             385

```

```

<210> 62
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Probe 1778_g_at HG-U95Av2

```

```

<400> 62
cagtgggcag tcagaggcaa gaagcagagg ggaggagcaa gggtgccagg gagatgggga      60
tgctggggtc aaagccagcc ccaggacat tcgggaacag tctgagacaa ctgctgaagg      120
gggccagggt caagcccagc aaggccctgc tcagccaggg gaaccagagg cagagggaag      180
ccgggcagca gaggagtagc ttgaagtggc cagaagggtc attcggggcg ggagaccctg      240
agcctgctga gaaatccttt tagcgccagc aagccccacc cagggccctg tcctgtgtct      300
gccaccacct ttgtctgata cttgtttcca gggaagctgg gggaactgcc acatctgagg      360
aactggaata a                                                             371

```

```

<210> 63
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Probe 1788_s_at HG-U95Av2

```

35

<400> 63  
 agt gat gaaa cccacagatc ctagcaaatg tgcccaacca gctttactaa agggggagga 60  
 agggagggca aagggatgag aagacaagtt tcccagaagt gcctggttct gtgtacttgt 120  
 ccctttgttg tcgtcgttgt agttaaagga atttcatttt ttaaaagaaa tcttcgaagg 180  
 tgtgggttttc atttctcagt caccaacaga tgaataatta tgcttaataa taaagtattt 240  
 attaagactt tcttcagagt atgaaagtac aaaaagtota gttacagtgg atttagaata 300  
 tatttatgtt gatgtcaaac agctgagcac cgtagcatgc agatgtcaag gcagttagga 360  
 agtaaatcgg tgtcttgtag atatgtgcaa ggtagcatga tgagcaactt gagtttgttg 420  
 ccactgagaa gcaggcg 437

<210> 64  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1798\_at HG-U95Av2

<400> 64  
 tagtttatgt atcaccagac tgggttattg ccaagttata tatcaccaa agctgtatga 60  
 ctggatgttc tgggttacctg gtttacaaaa ttatcagagt agtaaaactt tgatatatat 120  
 gaggatatta aaactacact aagtatcatt tgattcgatt cagaaagtac tttgatatct 180  
 ctcaagtgett cagtgcctac attgtgagca attgtcttta tatacggtac tgtagccata 240  
 ctaggcctgt ctgtggcatt ctctagatgt ttctttttta cacaataaat tccttatatc 300  
 agcttga 307

<210> 65  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

36

&lt;220&gt;

&lt;223&gt; Probe 1845\_at HG-U95Av2

&lt;400&gt; 65

```

agacattgct ctatgtctgc cttcgaccac agcaagccat catcctccat tgctcccggg      60
gactcaagag gaatctgttt ctctgctgtc aacttcccat ctggctcagc atagggtcac      120
tttgccatta tgcaaattgga gataaaagca attctggctg tccaggagct aatctgaccg      180
ttctattgtg tggatgacca cataagaagg caattttagt gtattaatca tagattatta      240
taaaactataa acttaagggc aaggagttaa ttacaatgta tctttattaa aacaaaaggg      300
tgtatagtgt tcacaaactg tgaaaatagt g                                     331

```

&lt;210&gt; 66

&lt;211&gt; 193

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1867\_at HG-U95Av2

&lt;400&gt; 66

```

taacacccta tgcccattgt cctgatctga aaattcttgg aaattgttcc atgtgattaa      60
catggaactg cctctactta atcattctga atgattaaat cgtttcattt tctaaatgtg      120
ttataatgtg tttagccctt tcttggtgct gtatgttttag atgctttcca atcttttgtt      180
actactaata atg                                     193

```

&lt;210&gt; 67

&lt;211&gt; 408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1868\_g\_at HG-U95Av2

&lt;400&gt; 67

```

atttgacctg ctcaaacgta tcttgaagat ggacagaaaa gctgtggaga cccacctgct      60

```



37

caggaaacct caccttggtt cggactatag agtgctgatg gcagagattg gtgaggattt 120  
 ggataaatct gatgtgtcct cattaatttt cctcatgaag gattacatgg gccgaggcaa 180  
 gataagcaag gagaagattt cttgggacct tgtggttgag ttggagaaac taaatctggt 240  
 tgccccagat caactggatt tattagaaaa atgcctaaag aacatccaca gaatagacct 300  
 gaagacaaaa atccagaagt acaagcagtc tgttcaagga gcagggacaa gttacaggaa 360  
 tgtctctccaa gcagcaatcc aaaagagtct caaggatcct tcaaataa 408

<210> 68  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 1897\_at HG-U95Av2

<400> 68  
 ggaaccacag atttgtgccc attcctaata ttttgttctg caaattaatg tataatttga 60  
 ggtgaaattc agttataaag tcaaggacga atttgcacag tgatatattt ctatgtgtat 120  
 gcaagtacaa gtatataata tgtcacctgg cacattcatt ttctcagttg aagaagagaa 180  
 aatttgaaaa tgtccttatg cttttagagt tgcaacttaa gtatatattg taggggtgagt 240  
 gtttccactc aaaatatgtc aacttaaaaa aaaataggcc ctttcataaa aaccaaactg 300  
 tagcaagatg caaatgcatg gcaaatctgt cgggtctccag ttggttatct gaatagtgtc 360  
 accaattcca ccaagacagt gctgagattg gaaagggcac tcatttggat tgccttactt 420  
 ctcttgccct aaatatatcc catatattta atatgtcaaa aagggttga ggtgaatttc 480  
 attaaatgga ataatatgat gccactttgc agctaaaata agc 523

<210> 69  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

38

&lt;220&gt;

&lt;223&gt; Probe 1951\_at HG-U95Av2

&lt;400&gt; 69

tcaaggccac aaccatgatg atccgaccag cagatttcta aacatcccag tccacctgag	60
gaactgtctc gaactatttt caaagactta agcccagtgc actgaaagtc acggctgcgc	120
actgtgtcct cttccaccac agagggcgtg tgctcgggtg tgacgggacc cacatgctcc	180
agattagagc ctgtaaactt tatcacttaa acttgcacat cttaacggac caaagcaaga	240
ccctaaacat ccataattgt gattagacag aacacctatg caaagatgaa cccgaggctg	300
agaatcagac tgacagttta cagacgctgc tgtcacaacc aagaatgta tgtgcaagtt	360
tatcagtaaa taactggaaa acagaacact tatgttatac aatacagatc atcttggaac	420
tgcatctctc tgagcactgt ttatacactg t	451

&lt;210&gt; 70

&lt;211&gt; 461

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1968\_g\_at HG-U95Av2

&lt;400&gt; 70

ctatggatta agccgggtccc aacctgtcat gaaagttgca gtgaagatgc taaaacccac	60
ggccagatcc agtgaaaaac aagctctcat gtctgaactg aagataatga ctcacctggg	120
gccacatttg aacattgtaa acttgctggg agcctgcacc aagtcaggcc ccattttacat	180
catcacagag tattgcttct atggagattt ggtcaactat ttgcataaga atagggatag	240
cttcctgagc caccacccag agaagccaaa gaaagagctg gatattcttg gattgaaccc	300
tgctgatgaa agcacacgga gctatgttat tttatctttt gaaaacaatg gtgactacat	360
ggacatgaag caggctgata ctacacagta tgtcccatg ctagaaagga aagaggtttc	420
taaatattcc gacatccaga gatcactcta tgatcgtcca g	461

39

<210> 71  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 1987\_at HG-U95Av2

<400> 71  
agaggaacct gagtcattgct caggcccaag ccctggtggc aggcagacca ctgctttctg 60  
gccttcctgt actatctgaa aaaaatcgtg aatggctaga gctactcttc acttgctgaa 120  
cattttcaaa aagaattgac acttgctgaa catttctttt caattcagaa cttctgatgg 180  
attaaattgc cttcttcctc gaaaaccctg ggacccttcc agatgggact aactggggaa 240  
agtggacaag ttacaaacaa agaaactcaa aggaaagtca ttggcactga tctctaagat 300  
gctatcacat gtgattggtg gttga 325

<210> 72  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 2002\_s\_at HG-U95Av2

<400> 72  
ctacagatac cacaacctgg atcagggtcca agcaaaacgt ccagagtgct acaaaatgtt 60  
gcgttctcag tccaaaaaga agtggaaaag aatctgaagt catgcttgga caatgttaat 120  
gttgtgtccg tagacactgc cagaacacta ttcaaccaag tgatggaaaa ggagtttgaa 180  
gacggcatca ttaactgggg aagaattgta accatatttg catttgaagg tattctcatc 240  
aagaaacttc tacgacagca aattgccccg gatgtggata cctataagga gatttcatat 300  
tttggtgcgg agttcataat gaa 323

40

<210> 73  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 2014\_s\_at HG-U95Av2

<400> 73  
ccatccttcg atttcctat gattcatggg gaactccatt tcagcagctc aaacaggtgg 60  
tagaggagcc atcgccacaa ctcccagcag acaagttctc tgcagagttt gttgacttta 120  
cctcacagtg cttaaagaag aattccaaag aacggcctac ataccagag ctaatgcaac 180  
atccattttt caccctacat gaatccaaag gaacagatgt ggcattcttt gtaaaactga 240  
ttcttgagga ctaaaaagca gtggacttaa tcggttgacc ctactgtgga ttggtgggtt 300  
tcggggtgaa gcaagttcac tacagcatca atagaaagtc atctttgaga taatttaacc 360  
ctgcctctca gaggggtttt tctcccaatt ttctttttac tccccctctt aagggggcct 420  
tggaatctat agtata 436

<210> 74  
<211> 595  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 2018\_at HG-U95Av2

<400> 74  
tcagcttgag tgctgtttac acttgcaaaa gagatccctg cccacatcag gtggactgtt 60  
tcctctctcg cccacaggag aaaaccatct tcatcatctt catgctgggtg gtgtccttgg 120  
tgtccctggc cttgaatatc attgaactct tctatgtttt cttcaagggc gttaaggatc 180  
gggttaaggg aaagagcgac cttaccatg cgaccagtgg tgcgctgagc cctgccaaag 240  
actgtgggtc tcaaaaatat gcttatttca atggctgctc ctcaccaacc gctccccctt 300  
cgcttatgtc tcctcctggg tacaagctgg ttactggcga cagaaacaat tctttottgcc 360

41

gcaattacaa caagcaagca agtgagcaaa actgggctaa ttacagtga gaacaaaatc 420  
gaatggggca ggcgggaagc accatctcta actcccatgc acagcctttt gatttccccg 480  
atgataacca gaattctaaa aaactagctg ctggacatga attacagcca ctagccattg 540  
tggaccagcg accttcaagc agagccagca gtcgtgccag cagcagacct cggcc 595

&lt;210&gt; 75

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 2024\_s\_at HG-U95Av2

&lt;400&gt; 75

agtttgctgg atttcctgaa gagcgatgaa ggtggcaaag tgctgcttcc aaagctcatt 60  
gacttttctg ctcagattgc agaggggaatg gcatacatcg agcgggaagaa ctacattcac 120  
cgggacctgc gagcagctaa tgttctggtc tccgagtcac taatgtgcaa aattgcagat 180  
tttggccttg ctagagtaat tgaagataat gagtacacag caagggaagg tgctaagttc 240  
cctattaagt ggacggctcc agaagcaatc aactttggat gtttcactat taagtctgat 300  
gtgtgggcct ttggaatcct cctatacgaa attgtcacct atgggaaaat tccctacca 360  
gggagaacta atgccgacgt gatgaccgcc ctgtcccagg gctacaggat gccccgtgtg 420  
gagaactgcc cagatgagct ctatgacatt atgaaaatgt gctggaaaga aaaggcagaa 480  
gagagaccaa cgtttgacta cttacagagc gtcctggatg atttctacac agccacggaa 540  
gggcaatacc : 550

&lt;210&gt; 76

&lt;211&gt; 232

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 2036\_s\_at HG-U95Av2

42

<400> 76  
gagctgggac acttaacaga tgcaatgtgc tactgattgt ttcattgcga atctttttta 60  
gcataaaatt ttctactctt tttgtttttt gtgttttggt ctttaaagtc aggtccaatt 120  
tgtaaaaaca gcattgcttt gtaaattagg gcccaattaa taatcagcaa gaatttgatc 180  
gttcagttcc acttggaggc cttcatcctc ggggtgtgcta tggatggctt ct 232

<210> 77  
<211> 602  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 2049\_s\_at HG-U95Av2

<400> 77  
aagccctgga cgatctgcac aagatgaacc acgtgacacc cccaacgtg tccctgggag 60  
ctaccggggg gccccgggct gggcccgggg gcgtctacgc cggcccggag ccacctcccg 120  
tttacaccaa cctcagcagc tactccccag cctctgcgtc ctcgggaggc gccggggctg 180  
ccgtcgggac cgggagctcg taccgcagca ccaccatcag ctacctcca cacgcgccgc 240  
ccttcgccgg tggccacccg gcgcagctgg gcttgggccg cggcgcctcc accttcaagg 300  
aggaaccgca gaccgtgccg gaggcgcgca gccgggacgc cacgccgccg gtgtcccca 360  
tcaacatgga agaccaagag cgcacaaag tggagcgcaa gcggctgcgg aaccggctgg 420  
cggccaccaa gtgccggaag cggaagctgg agcgcacgc gcgcctggag gacaagggtga 480  
agacgtcaa ggccgagaac gcggggctgt cgagtaccgc cggcctcctc cgggagcagg 540  
tggcccagct caaacagaag gtcacgaccc acgtcagcaa cggctgtcag ctgctgcttg 600  
gg 602

<210> 78  
<211> 262  
<212> DNA  
<213> Homo sapiens

43

&lt;220&gt;

&lt;223&gt; Probe 204\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (176)..(177)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 78

agatcttaac cagtttctat cccttacctg cttttctctt ctcttctcct gctccgttcc 60

tcatccaccc ctccccatct ggaccataat agggacacca aaacaaaccc aaattggtaa 120

aaagaataat caaaaagaag acattatccg gttaagagtc tgtgctggtt gccacnnaag 180

agagaacagt tgtccaggat gctggctggt ggaacaacct gctggcccga aacaaggctg 240

ccaggtgtgg aacagcccat gc 262

&lt;210&gt; 79

&lt;211&gt; 351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 205\_g\_at HG-U95Av2

&lt;400&gt; 79

acagcccatg ctgactgggg acatacactt gcacctttgt tgaaagcaga agaagacaga 60

ccctttcccc accttcctta cctcctcttc ccccatthaag gcagctcatc caagcttgta 120

tttaactgaa taaatgagta gacattgtgg acctcacaag attatttaat tcttaagatg 180

tgtagacctt gatggttaggt gtgacatggt agtttttctt acttgcattt atttaagaca 240

cactgttaca gagatactgt tgtcaccttc tggggcacgg tctttgggga gaggggagtg 300

catttagact tatgtggaac ctgtacaaat tgtgatgtgg ctacatagaa a 351

44

<210> 80  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 2073\_s\_at HG-U95Av2

<400> 80  
 ccacagctgt gctggaccgt gaggcccat ttgtcgacaa cagcgtgtac actgctctct 60  
 tcctggcaat tgacagtggc aaccctcccg ctacgggcac tgggactttg ctgataaccc 120  
 tggaggacgt gaatgacaat gcccgttca ttacccac agtagctgaa gtctgtgatg 180  
 atgccccaaa cctcagtgtg gtcattttgg gagcatcaga taaggatctt caccgaata 240  
 cagatccttt caaatgtgaa atccacaaac aagctgttcc tgataaagtc tggaagatct 300  
 ccaagatcaa caatacacac gccctggtaa gccttcttca aaatctgaac aaagcaaact 360  
 acaacctgcc catcatgggtg acagattcag ggaaaccacc catgacgaat atcacagatc 420  
 tcagggtaca agtgtgtctc tgcaggaatt ccaaagtggc ctgcaacgcg gcgggggccc 480  
 tgcgcttcag cctgccctca gtctgtctcc tcagcctctt cagcttagct tgtctgtgag 540  
 aactcctgac gtctgaagct 560

<210> 81  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 215\_g\_at HG-U95Av2

<400> 81  
 ggcgcccgtg ggactctaca cggcccatgt gggctacagc atgtaccacc tgacatagag 60  
 ggtcccaggt cccacactgt gggccagccg attcctccag ccttgggtgt gtacccccga 120  
 cgtgtctccc tgctcggcac cgcagccgc cttcccttta accctcacac tgctccagtt 180  
 tcacctcttt gctccctgag ttcactctcc gaagtctgat ccctgccaaa aagtggctgg 240



45

aagagtcacct tagtactctt ctagcatt

268

&lt;210&gt; 82

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 231\_at HG-U95Av2

&lt;400&gt; 82

acctcaccat tgtgaagcac ctactatgtg ctgggtgcct cccacacttg ctggggctca 60

cggggcctcc aaccatttta atcaccatgg gaaactgttg tgggcgctgc ttccaggata 120

aggagactga ggcttagaga gaggaggcag cccctccac accagtggcc tcgtggttat 180

aagcaaggct gggtaatgtg aaggcccaag agcagagtct gggcctctga ctctgagtcc 240

actgctccat ttataacccc agcctgacct gagactgtcg cagaggctgt ctggggcctt 300

tatcaaaaaa agactcagcc aagacaagga ggtagagagg ggactggggg actgggagtc 360

agagccctgg ctgggttcag gtcccacgtc tggccagcga ctgccttctc ctctctgggc 420

ctttgtttcc ttgttggtca gaggagtgat tgaacctgct catctccaag gatcctctcc 480

a 481

&lt;210&gt; 83

&lt;211&gt; 445

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 257\_at HG-U95Av2

&lt;400&gt; 83

tagcaacagt catttctgaa aatatgttgg atagaaagtc actctttggc aaaagtgtta 60

gaatttgctt ttgtgccatc tattcctttt atggcatcta tcttgaaagt aatcttgtat 120

tggagattga aagatgctgt aatttagaaa ttaacatgat atcttaaatt acctttatga 180

46

aatatagttt tgtataatag catagatttt ccttcaaaaa atgaacattt atatatctac 240  
 aaaaatatgg agaagagcaa ttgaaagcc tactttctga agaaaatggt gggatttttt 300  
 tttatcatga ttaaatatca aaaaattgcc ctatgaaaac tttaaattct taaaacattt 360  
 gaaatactac catattttgtg atttattgag aataaaaaatc catttttgaaa tgtaaaattt 420  
 ttatgatctg attcagtttt aagaa 445

&lt;210&gt; 84

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 265\_s\_at HG-U95Av2

&lt;400&gt; 84

atgtctaata gttattccct atttgttttc ttctgtatgt tagggtgctc tggaagagag 60  
 gaatgcctgt gtgagcaagc atttatgttt atttataagc agatttaaca attccaaagg 120  
 aatctccagt tttcagttga tcaactggcaa tgaaaaattc tcagtcagta attgccaaag 180  
 ctgctctagc cttgaggagt gtgagaatca aaactctcct acacttccat taacttagca 240  
 tgtgttgaaa aaaaaagttt cagagaagtt ctggctgaac actggcaacg acaaagccaa 300  
 cagtcaaaac agagatgtga taaggatcag aacagcagag gttcttttaa aggggcagaa 360  
 aaactctggg aaataagaga gaacaactac tgtgatcagg ctatgtatgg aatacagtgt 420  
 tattttcttt gaaattgttt aagtgttgta aatatttatg taaactgcat tagaaattag 480  
 ctgtgtgaaa taccagtgtg gtttgtgttt gagttttatt gagaatttta aattataact 540  
 taaaatattt tataattttt aaagtatata ttattttaag cttatgtcag acctatttga 600  
 cataacacta taaa 614

47

<210> 85  
<211> 508  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 286\_at HG-U95Av2

&lt;400&gt; 85

```
tcgcacaggca ggagttttctc tcggtgacta ctatcgctgt catgtctggt cgtggcaagc      60
aaggaggcaa ggcccgcgcc aaggccaagt cgcgctcgtc ccgcgctggc cttcagttcc      120
cggtagggcg agtgcacgc ttgctgcgca aaggcaacta cgcggagcga gtggggggccg      180
gcgcgcccgt ctacatggct gcggtcctcg agtatctgac cgccgagatc ctggagctgg      240
cgggcaacgc ggctcgggac aacaagaaga cgcgcacatc cctcgtcac ctccagctgg      300
ccatccgcaa cgacgaggaa ctgaacaagc tgctgggcaa agtcaccatc gcccagggcg      360
gcgtcttgcc taacatccag gccgtactgc tccctaagaa gacggagagt caccacaagg      420
caaagggcaa gtgaggctga cgtccggccc aagtgggccc agcccggccc gcgtctcgaa      480
ggggcaacctg tgaactcaaa aggctctt                                     508
```

<210> 86  
<211> 415  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 287\_at HG-U95Av2

&lt;400&gt; 86

```
gttaacacaa aatccatggg cagcatgatg gcaggtcctc tgttgcaaac tcagttccaa      60
agtcacagga agaaagcaga aagttcaact tccaaagggg taggactctc cactcaatgt      120
cttaggtcag gagttgtgtc taggctggaa gagccaaaga aatattccat tttcctttcc      180
ttgtgggtga aaccacagtc agtggagaga tgtttggaac acagtcagtg gagctgggtg      240
taccagggtt agcattattg gatgtcaaaa gcattttttt tgtcatgtag ctgttttaag      300
```

48

aaatctggcc caggggtgttt gcagctgtga gaagtcactc aactggcca caaggacgct 360  
ggctactgtc tattaaaatt ctgatgtttc tgtgaaattc tcagagtgtt taatt 415

<210> 87  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 31472\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (75)..(95)  
<223> n is a, g, c or t

<400> 87  
gacaagtttt ggtggcacgc agcctgggga ctctgcctcg tgccgctgag cctggcgcag 60  
atcgatttga atatnnnnnn nnnnnnnnnn nnnnnattcc acgtggagaa aaatggctgc 120  
tacagcatct ctcggaacga ggccgctgac ctctgcaagg ctttcaatag caccttgccc 180  
acaatggccc agatggagaa agctctgagc atcgattttg agacctgcag tttgcattgc 240  
agtcaacagt cgaagaaggt gtgggcagaa gaaaaagcta gtgatcaaca gtggcaatgg 300  
agctgtggag gacagaaagc caagtggact caacggagag gccagcaagt ctcaggaaat 360  
ggtgcatttg gtgaacaagg agtcgtcaga aactccagac cagtttatga cagctgatga 420  
gacaaggaac c 431

<210> 88  
<211> 576  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 31540\_at HG-U95Av2

49

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (44)..(58)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (256)..(529)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 88

atgagaccag tacaaactac tcaagaggaa gatggctgta gctnnnnnnn nnnnnnnnaa 60

gaagaaggag gatgtgaact gtgaaatgga agtcaatagg gctgttgga ctttcttgaa 120

aagaagcaag gaaatatgag tcatccgcta tcacagcttt caaaagcaag aacaccatcc 180

tacataatac ccaggattcc cccaacacac gttcttttct aaatgccaat gagttggcct 240

ttaaaaatgc accacnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt gccaggcccg 540

gccaaaataa tgcaccactt ttaacagaac agacag 576

&lt;210&gt; 89

&lt;211&gt; 126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31622\_f\_at HG-U95Av2

&lt;400&gt; 89

gtgtctcctg cacctgcgct ggttcctgca agtgcaaaga gtgcaaatgc acctcctgca 60

agaagagctg ctgctcctgc tgccccgtgg gctgtagcaa gtgtgccag ggctgtgttt 120

50

gcaaag

126

&lt;210&gt; 90

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31697\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (29)..(51)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (107)..(215)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 90

caaactggcc actgacaaaa atgaccccn nnnnnnnnnn nnnnnnnnnn nacattacct 60

gaatgagcag gtgaaagcca tcaaagaatt ggggtgaacgt gaccaannnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnagctg tgggggtgact tccctggtca 240

ccaaggcagt gcatgcatgt tgggggttcc tttacctt 278

&lt;210&gt; 91

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31803\_at HG-U95Av2

51

<220>  
<221> misc\_feature  
<222> (67)..(67)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (302)..(317)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (392)..(443)  
<223> n is a, g, c or t

<400> 91  
aagtgggctg tgggtgccat ttgcagtgac tgtgaagtga ctccaggacg gacctgcggg 60  
ggcaccnaga ggtcctaagc cccaggactg agggtcgtgc atcaccactc ggggtgtccc 120  
ggaggtgccc tgggcccggg gacctcacag gcaggacggc gacactaatg cagggagagg 180  
gagtctggcc ccagcttttc ctatcagagg cgattttcct tcaccagggg atgggcagga 240  
aagagggcagg ggccccagaa gcttctgtcc ctcatgcctg agggcacggg ggacacttgg 300  
annnnnnnnn nnnnnnngtg cgtccaaggc catgctctct gcgggtcagt gcctgagtct 360  
cgctccctg ctggtccctg aagccccctc annnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnccctctc agcccaacat cagcttcctc tttctccctt 480  
gctgtagaca ggctggat 498

<210> 92  
<211> 586  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 31825\_at HG-U95Av2

52

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 39..64, 74, 96, 113, 118, 122, 142, 153, 162, 166, 175

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 181, 195, 197, 224, 228, 249, 328, 418..434

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 92

gaaacgacca agaagagagg cttgttgga tcaattctnn nnnnnnnnnn nnnnnnnnnn 60

nnnntagaag tcantgtaac tgtagtgtgt ctgctngtta cctagagggt ctnacctncc 120

cnactcttca cagcaaacct gnagcagcgc gtnccctaagc ancctncccg ctcnnggtga 180

nccccatcct tgcanancct gactctgtca ctcaagcctt tctnccancc aggccctca 240

tctgaatanc caagcacaga aatgagtgggt gtgactaatt ccttacctct cccaaggagg 300

gtacacaact agcaccattc ttgatgtgcc aggaagaag ccacctcaag acatatgagg 360

ggcgccctgg gctaattgta gggcttaatt ttctcaaagc ctgaccttc aaatccannn 420

nnnnnnnnnn nnnnccctcc tgctgttgcc tccctgtgac ctggaggaca gtgtgtgcca 480

tgtctcccat actagagata aataaatgta gccacattta ctgtnaaaaa aaaaaaaaaa 540

aaactcgagg ggggccggtta cccaattcgc cctatagctg agtcgt 586

&lt;210&gt; 93

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31862\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (388)..(392)

&lt;223&gt; n is a, g, c or t



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (395)..(402)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (405)..(412)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 93

acatcccctc agttgcagtg aattgtgagc aaaagatctt gaaagcaaaa agcactaatt 60

agttttaaata gtcacttttt tggtttttat tatacaaaaa ccatgaagta ctttttttat 120

ttgctaaatc agattgttcc tttttagtga ctcatgttta tgaagagagt tgagtttaac 180

aatcctagct tttaaaagaa actatttaata gtaaaatatt ctacatgtca ttcagatatt 240

atgtatatct tctagccttt attctgtact tttaatgtac atattttctgt cttgcgtgat 300

ttgtatatatt cactgggttta aaaaacaaac atcgaaaggc ttatgccaaa tggaagatag 360

aatataaaat aaaacgttac ttgtatatann nnaannnnnn nnaannnnnn nncagataat 420

tcatgtggag atttttggag aaaccatgac ggatagttta ggatgactac atgtcaaagt 480

aataaaaagag tgggtgaattt taccaaaacc aagctatttg gaagc 525

&lt;210&gt; 94

&lt;211&gt; 193

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31895\_at HG-U95Av2

&lt;400&gt; 94

agtcttggtt ctccatctgt aatttttttt aacagtttgc tatagcttac tgcttaacta 60

attttaaata aggaaataag tatgttagat gcagtagacg atacagggtg catgtggaca 120

ctcagtcaca ttaacaactt gggaaaaaaa tggcaatgtt acggtgaatt ctcagggtgaa 180

54

cttttttcag tta

193

&lt;210&gt; 95

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31974\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 54, 117, 118, 125, 126, 216, 231, 232, 339..362

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 95

cagcggcatg aagtttgaga ttggccaggc cctgtacctg ggcttcatct cctncgtccc 60

tctcgctcat tgggtggcacc ctgctttgcc tgtcctgcc ggacgaggca ccctacnngc 120

cctannccag gccccgcca gggccaccac gaccactgca aacaccgcac ctgcctacca 180

gccaccagct gcctacaaag acaatcgggc cccctnagt acctcggcca nncacagcgg 240

gtacaggctg aacgactacg tgtgagtccc cacagcctgc ttctcccctg ggctgctgtg 300

ggctggttcc cggcgggact gtcaatggag gcaggggtnn nnnnnnnnnn nnnnnnnnnn 360

nncaattttt gtatccaagg aaataatgtg aatgcgagga aatgtcttta gagcacaggg 420

aca 423

&lt;210&gt; 96

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32034\_at HG-U95Av2

&lt;400&gt; 96

cctgttcaca agctgagcca tatgtacata atctagattt tgttttcata gttttgcact 60

55

tttatagcct atttttgaag attaacacat ttgcaagatg attgactcaa tctttgccta 120  
 atccaatgag tgttacagag agcttgctgt gactagaacc ataaatctta aaggggggtat 180  
 gtgataatag agggctggaa tttaaacctg tatttaaaaa aaagaatcac caaatctatt 240  
 tgaaaacaag tcgatttgta ttatgctgga attttttggg ctttcagatt tctcttttta 300  
 accacatttc tgaatgtata aaaataccaa ttattttcct acagcccttt gtacttcaaa 360  
 atatgttttt gtgtccatca gtattaacta ttg 393

<210> 97  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 32052\_at HG-U95Av2

<400> 97  
 gctcgctttc ttgctgtcca atttctatta aaggttcctt tgttccctaa gtccaactac 60  
 taaactgggg gatattatga agggccttga gcatctggat tctgcctaataaaaa 114

<210> 98  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 32114\_s\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 48, 50, 55, 92, 135, 226..241  
 <223> n is a, g, c or t

<400> 98  
 agcttgggca cagcagactg gcctggccct gagactgggg agtggctncn acagncctcc 60  
 tgccaccac acaccactct ccctagactc tncctagggt tcaggagctg ctgggcccag 120

56

agggtgacatt tgacnttttt tccaggaaaa atgtaagtgt gaggaacccc tttttatttt 180  
attacctttc actctctggc tgctgggtct gccgtcggtc ctgctnnnnn nnnnnnnnnn 240  
ngagcctctg cccggggagc ctcaggcagt cctctcctgc tgtcacagct gccatccact 300  
tctcagtccc agggccatct cttggagtga caaagctggg atcaaggaca gggagttgta 360  
acagagcagt gccagagcat gggcccaggt cccaggggag aggttggggc tggcaggcca 420  
ctggcatgtg ctgagtagcg cagagctacc cagtgaagg ccttgtctaa ctgcctttc 479

<210> 99  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 32115\_r\_at HG-U95Av2

<400> 99  
ggctctgccgt cggctcctgct gctaacctgg cagcagagcc tctgcccggt gagcc 55

<210> 100  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 32168\_s\_at HG-U95Av2

<220>

<221> misc\_feature  
<222> (125)..(125)  
<223> n is a, g, c or t

<400> 100  
aacctacctg tgaatcatat gttgtaggaa aagctgttcc catgtctaac aggacttgaa 60  
ttcaaagcat gtcaagtgga tagtagatct gtggcgatat gagagggatg cagtgccttt 120  
cccnattca ttctgatgg aattgttata ctaggttaac atttgtaatt tttttctagt 180

57

tgtaatgtgt atgtctggta aataggtatt atatatttggc cttacaatac cgtaacaatg 240  
tttgtcattt tgaaataactt aatgccaagt aacaatgcat gctttggaaa tttggaagat 300  
ggttttattc tttgagaagc aaatatgttt gcattaaatg ctttgattgt tcatatcaag 360  
aaattgattg aacgttctca aaccctgttt acggtacttg gtaagaggga gccggtttgg 420  
gagagaccat tgcacgctg tccaagtgtt tcttggttaag tgctttttaa ctggagaggc 480  
taacctcaaa atatattttt taactgcatt ctataataaa tgggcacagt atgctcctta 540  
c 541

<210> 101  
<211> 60  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32215\_i\_at HG-U95Av2

<400> 101  
aacagattac tgtctattgt cagcatcatt ttcactctgta agtcactact ggaatatatt 60

<210> 102  
<211> 202  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32216\_r\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (78)..(78)  
<223> n i s a , g , c o r t

<400> 102  
aaatggactg ggatagagga cagactgata gtttctttct ttcatatcac atgtatagag 60  
aaataattat atcagaanct cacaaccta gacatggaaa aacagattac tgtctattgt 120

58

cagcatcatt ttcacatctgta agtcactact ggaatatatt tttctttttaa tttccagtga 180

ctttagaata cacacagttt tt 202

<210> 103

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 32285\_g\_at HG-U95Av2

<400> 103

ctatgtggac ccacgcaaag atagcgagaa atatgccgag gagaacttca aaacctttgt 60

gttcgaggag acacgattca ccgcggtcac tgcctaccag aaccatcgga tcacgcagct 120

caagattgcc agcaatccct tcgcgaaagg cttccgggac tgtgaccctg a 171

<210> 104

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 32319\_at HG-U95Av2

<400> 104

gtctatgttc ttgttgctat gagtcaagga gtgtaacott ctccctttact atgttgaatg 60

tatttttttc tggacaagct tacatcttcc tcagccatct ttgtgagtcc ttcaagagca 120

gttatcaatt gttagttaga tatttttctat ttagagaatg ctttaaggat tccaatcccg 180

atccaaatca taatttggtc ttaagtatac tgggcaggtc ccctatttta agtcataatt 240

ttgtatttag tgcttttctg gctctcagag agtattaat 279

<210> 105

<211> 439

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32321\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (118)..(356)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 105

ccacagagag cctccactag agtgatgcta agtggaaatg tgagggtgcag ctgccacaga 60

gggccccccac cagggaaatg tctagtgtct agtggatcca ggccacagga gagagtgnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntccc 360

acagatacct tttctctccc atgacccttt aacagcatct gcttcattcc cctcaccttc 420

ccaggctgat ctgaggtaa 439

&lt;210&gt; 106

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32464\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (167)..(219)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 106

gagggtcttg tatctcctct tctcgttcct cttcatattc ctgatgcctc ttccagggtgt 60

ttttggtggg ataggcgatc ctgttacctg ccttaagagt ggagccatat gtcacccagt 120

60

cttttgcctt agaaggtata aacaaattgg cacctgtggt ctccctnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt gcggattcag aaagggtcc 240  
ctcatcagag acgtgcgaca tgtaaaccac 270

<210> 107  
<211> 445  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32531\_at HG-U95Av2

<400> 107  
tagtactgta aacaggcttt agtcattaat gtgagagact tagaaaaaat gcttagagtg 60  
gactattaaa tgtgcctaaa tgaattttgc agtaactggt attcttggtt tttcctactt 120  
aatacacagt aattcagaac ttgtattcta ttatgagttt agcagtcttt tggagtgacc 180  
agcaactttg atgtttgcac taagatttta tttggaatgc aagagagggt gaaagaggat 240  
tcagtagtac acatacaact aatttatttg aactatatgt tgaagacatc taccagtttc 300  
tccaaatgcc ttttttaaaa ctcatcacag aagattggtg aaaatgctga gtatgacact 360  
tttcttcttg catgcatgtc agctacataa acagttttgt acaatgaaaa ttactaattt 420  
gtttgacatt ccatgttaaa ctacg 445

<210> 108  
<211> 480  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32551\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (64..76, 78..81, 83..89, 100, 102)  
<223> n is a, g, c or t



61

<400> 108  
attttcatat ccagcctaaa ggtggttggt tattatatag taataaatca ttgctgtaca 60  
atannnnnnn nnnnnnnann nnnnnnnnt ttgtcagan antttagatt gtgaatattt 120  
tgtaaaaaac agtaagcaaa attttccaga attcccaaaa tgaaccagat atcccctaga 180  
aaattatact attgagaaat ctatggggag gatatgagaa aataaattcc ttctaaacca 240  
cattggaact gacctgaaga agcaaactcg gaaaatataa taacatccct gaattcagga 300  
cttcacaag atgcagaaca aaatggataa aaggatttct actggagaag ttttaatttc 360  
taagtaaaat ttaaataccta acacttcact aatttataac taaaatttct catcttcgta 420  
cttgatgctc acagaggaag aaaatgatga tggtttttat tcctggcatc cagagtgaca 480

<210> 109  
<211> 177  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32588\_s\_at HG-U95Av2

<400> 109  
catctccgac gactgaggca agagggcgcc agtgaggagg aaggaaggc gggtcagaga 60  
tgttggagga caccctcgc catctcgccc ttgctggggg cacgggagtg gggggggtga 120  
catgggcctt aggcagactg caagcccgcg cgagcacttg gactcgaact ctgtgcc 177

<210> 110  
<211> 534  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32606\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 276, 277, 290, 293..297, 368..406, 441, 442

&lt;223&gt; n i s a , g , c o r t

<400> 110  
acagaactac aggtgcaccc aaccacggac atgcattaac tcgtcatgag aaatctaggt 60  
aggctaagta ggatgagaga atgtttgtca ctcccaaaaa tatctggaga ggaagaatgg 120  
aggattggca ttgagatcca tgtggacaag ctaagtgggc tctgtctgaa agctggcatt 180  
catccacaac attaaaaaaaa tatcaaaata agaaaggctg taaattaaaa agaaaacaca 240  
gaaaatactg ctotcataaa gatctgattg ccttgnnaca ggccctgtgn gannnnntca 300  
aacgcatcac tcccaactcc cattgcagaa gaaaagctat tcaactctca gcggtggagg 360  
agtgcattnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncaga cgcggtatctt 420  
ggaaatccag gacttcttgg nnaagttgac tgaaggtata ttagatatattt cccacaaaa 480  
atactatttg gattctccca cccctccct cccttgatgg gacaacatcc tgta 534

<210> 111  
<211> 45  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32609\_at HG-U95Av2

<400> 111  
gcccgcgtct cgaaggggca cctgtgaact caaaaggctc ttttc 45

<210> 112  
<211> 505  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32610\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 35, 90, 102, 130, 131, 187, 380, 383, 437  
<223> n is a, g, c or t

63

&lt;400&gt; 112

```

acctgggctc cgaggtgtac aggatgctgc ggganccagc cgagcccgtg gccgcggagc      60
ccaagcagtc aggctccttc cgctacttgn agggcatgct anaggccggc gagggcgggg      120
attggcccgn ncctggcggc ccccggaacc tcaagcccac ggccagcaag ctgggcgctc      180
cgctgancgg cctgcagggg ctgcccagat gcacgcgctg cggccacggc atcgtgggca      240
ccatcgtcaa ggcacgggac aagctctacc atcccagatg cttcatgtgc agtgactgcg      300
gcctgaacct caagcagcgt gggttacttct ttctggacga gcggctctac tgtgagagcc      360
acgccaaggc gcgcgtgaan cnccccagg gctacgacgt ggtggcggtg taccccaatg      420
ccaaggtgga actcgtntga gctgggaccc tgctcccacg cctgcttctt aaggtccctg      480
ctcgcccggt gtaaatatgt ttcac                                          505

```

&lt;210&gt; 113

&lt;211&gt; 350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32616\_at HG-U95Av2

&lt;400&gt; 113

```

aataccagca gcagccttag agcacaggga gacccgcca tttggcaggg gtggctgcct      60
catttagaga ggaaaagtaa ccatcactgg ttgcacttat gatttcatgt gcggggatca      120
tctgccgtgc ctggatcctg aaatagaggc taaattactc aggaagaaca ccctctaaat      180
gggaaagtat tctgtactct tagatggatt ctccactcag ttgcaacttg gacttgcct      240
cagcagctgg taatcttgct ctgcttgaca acatctgagt gcagccgttt gagaagaaaa      300
catctattct ctccaaaaat gcacccaact agctctatgt ttacaaatgg              350

```

&lt;210&gt; 114

&lt;211&gt; 299

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32640\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (256)..(273)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 114

gtgatttttc tatcggcaca aaagcactat atggactggt aatggttaca ggttcagaga 60

ttacccagtg aggccttatt cctcccttcc ccccaaaact gacacctttg ttagccacct 120

ccccaccac atacatttct gccagtgttc acaatgacac tcagcgggtca tgtctggaca 180

tgagtgccca gggaatatgc ccaagctatg ccttgcctc ttgtcctgtt tgcatttcac 240

tgaggagcttg cactannnnn nnnnnnnnnn nnngcagtga tcagggtcct gcaagcagt 299

&lt;210&gt; 115

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32668\_at HG-U95Av2

&lt;400&gt; 115

tcccctcttt tgtgaagaaa gcgggtccaa atgtgattca aacaactgta cggagtggca 60

tattagaatt gccctaaact gaactgcaaa taattatgtg tgtatgtata tgtgtgggaa 120

agagaatgta ctgtatatgt gtatgttata cagacatata cacatacata cattgaccca 180

caggacattg taaaatatta tcacatgaca tcttaagtag aaataagtag ggacttttat 240

tccatccttt ttttcacgtt tacattttta ttattacaag ttgctcctgc cccctccctg 300

aactattttg tgctgtgtat atcactgctt tatataagtt attttttaag gtgaactcag 360

atgttatggt tttgtaaatg tctgcaatca tggataggaa taaaatcgct tatttgagag 420

ctttcattaa a 431

65

<210> 116  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32700\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 29, 65, 66, 72..105, 230..245, 420..434  
<223> n i s a, g, c o r t

<400> 116  
agtactacca ggtgcccaagg aaggggatnc aggccaaaga ggtgctgaaa aaatatttgg 60  
agtcnnagga gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnncactc tcagaaaagg 120  
aaaaagcgat tgaagtggaa cgtataaagg ctgaatctgc agaagctgca aagaaaatgt 180  
tggaggaaat acaaaagaag aatgaggaga tgatggaaca gaaagagaan nnnnnnnnnnn 240  
nnnnngtgaa acaattgact gagaagatgg agagggacag ggcccagtta atggcagagc 300  
aagagaagac cctcgctctt aaacttcagg aacaggaacg ccttctcaag gagggattcg 360  
agaatgagag caagagactt caaaaagaca tatgggatat ccagatgaga agcaaatcan 420  
nnnnnnnnnn nnnnaacata ctctaaaagt ccaaggagca aaatttgcct gtccagctcc 480  
ct 482

<210> 117  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32718\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 41..44, 46..48, 58..74, 218  
<223> n i s a, g, c o r t

<400> 117  
cagactgagc aagtggagta gcagaaccag gagcctcttc nnnncnnnag gaaagatnnn 60  
nnnnnnnnnn nnnnaaggga aattcctagg attggctgtc cctgccaag cttggtggag 120  
cgtctgcacc ttggtgcgc cgcctgtgca tttgccagtt tctcccact gagaggatgg 180  
aggtgtccgc acagcttttg gcctcgtgag ggatctgncc tctgagcaa agagctcttg 240  
atcccgattt catgcacagc cctgcagtaa ggagcccaga aggaacatgt gtttcctgtt 300  
aaaactcctc ttgttctctt ttcttacatt atgacgtttg ttttcaagga gagggtttaa 360  
aaatgggato ctgtaagcag acttgggcag tctccttttg aaataggttg tctgtacatg 420  
ttctaattgtt ttgtagaaca c 441

<210> 118  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32736\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (77)..(91)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (218)..(220)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (222)..(268)  
<223> n is a, g, c or t

WO 2005/068655

67

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (425)..(425)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 118

tcctgccttc ctgagggcca gaggggagcc ccaggaccca ttaagccacc cccgtgttcc	60
tgccgtcagt gccaacnnnn nnnnnnnnnn ncatctaccc gttcactcca gtcccacccc	120
acgcctgact cccctctgga aactgcaggc cagatggttg ctgccacaac ttgtgtacct	180
tcagggatgg ggctcttact ccctcctgag gccagctnnn cnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa atgagtgtct cagaagtgtg ctccctctggc	300
ctcagttctc ctcttttgga acaacataaa acaaatttaa ttttctacgc ctctggggat	360
atctgctcag ccaatggaaa atctgggttc aaccagcccc tgccatttct taagactttc	420
tgctncactc acaggatcct gagctgcact tacctgtgag agtcttcaaa cttttaaacc	480
ttgccagtca ggactttt	498

&lt;210&gt; 119

&lt;211&gt; 494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32737\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 207, 209..212, 261, 264, 269, 298, 310, 337..358, 373, 377

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 380..387, 389..392, 398, 402, 405, 407, 409, 410, 412..419

&lt;223&gt; n is a, g, c or t

68

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 423, 424, 426, 429..462

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 119

```

acagacggac gtcttcctca tctgcttctc cctogtcagc ccagcctctt atgagaacgt      60
ccgcgccaaag tggttcccag aagtgcggca ccaactgcccc agcacacca tcactcctggt      120
gggcaccaag ctggacctgc gggacgacaa ggacaccatc gagaaactga aggagaagaa      180
gctggctccc atcacctacc cgcaggncnn nnggcactgg ccaaggagat tgactcgggt      240
aaatacctgg agtgctcagc nctnaccna gagaggcctg aaaaccgtgt tcgacgancg      300
catccgggcn gtgctgtgcc ctacagccac gcggcannnn nnnnnnnnnn nnnnnnnnct      360
cctctagggg ttngcancn nnnnnnnncn nntagatngg tntgntncnn cnnnnnnnna      420
ggnnncngnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggagccct tcacgggacg      480
ctacagcctg tgcc                                     494

```

&lt;210&gt; 120

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32772\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (246)..(260)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (279)..(279)

&lt;223&gt; n is a, g, c or t



<220>

<221> misc\_feature

<222> (285)..(285)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (287)..(287)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (301)..(301)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (105)..(105)

<223> n is a, g, c or t

<400> 120

ggagacacta tattcaatcg tgctaagctc ctcaatgttg gctttcaaga agccttgaag 60

gactatgact acacctgctt tgtgttttagt gacgtggacc tcatnccaat gaatgaccat 120

aatgcgtaca ggtgtttttc acagccacgg cacatttccg ttgcaatgga taagtttgga 180

ttcagcctac cttatgttca gtattttgga ggtgtctctg ctctaagtaa acaacagttt 240

ctaacnnnnn nnnnnnnnnn taataattat tggggctgng gaggnagnaga tgatgacatt 300

nttaacagat tagtttttag aggcatgtct atatctc 337

<210> 121

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 32786\_at HG-U95Av2

WO 2005/068655

70

<220>  
 <221> misc\_feature  
 <222> (255)..(255)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (258)..(260)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (341)..(341)  
 <223> n is a, g, c or t

<400> 121  
 cgcttggaag gctgggcaca cgctccac tgggtccag ggagcaggcg gtgggcaccc 60  
 accctgggac ctagggggcg cgcaaaccac actggactcc ggccctccta ccctgcgccc 120  
 agtccttcca cctcgacgtt tacaagcccc ccctccact tttttttgta tgtttttttt 180  
 ctgctggaaa cagactcgat tcatattgaa tataatatat ttgtgtatatt aacagggagg 240  
 ggaagagggg gcgantcnnn ggcggagctg gccccgcgc ctggtactca agcccgcggg 300  
 gacattggga aggggacccc cgccccctgc cctcccctct ntgcaccgta ctgtggaaaa 360  
 gaaacacgca cttagtctct aaagagttta tt 392

<210> 122  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 32794\_g\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> (41..58, 189, 195, 197, 201)  
 <223> n is a, g, c or t

71

<400> 122  
gactccagat actgcctgag cagccgcctg agggctctcg nnnnnnnnnn nnnnnnnncc 60  
cgcaaccact tccgctgtca agtccagttc tacgggctct cggagaatga cgagtggacc 120  
caggataggg ccaaaccctg caccagatc gtcagcgccg aggcctgggg tagagcagac 180  
tgtggcttna cctcngngtc ntaccagcaa ggggtcctgt ctgccaccat cctctatgag 240  
at 242

<210> 123  
<211> 251  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32818\_at HG-U95Av2

<400> 123  
tagaaccagc cgtattttac atgaagctgt ataattaatt gtcattattt ttgttagcaa 60  
agattaaatg tgtcattgga agccatccct ttttttacat ttcatacaac agaaaccaga 120  
aaagcaatac tgtttccatt ttaaggatat gattaatatt attaataataa taatgatgat 180  
gatgatgatg aaaactaagg atttttcaag agatctttct ttccaaaaca tttctggaca 240  
gtacctgatt g 251

<210> 124  
<211> 489  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32847\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 39, 73, 75, 88..129, 137, 174..176, 309..324, 394..409  
<223> n is a, g, c or t

72

<400> 124  
tccaaggacc ggatgaagaa gtacatggca agaaggaant ggcagaaaac gggcaatgct 60  
gtgagagcca ttngnagact gtcctctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnna gggtcanca accagccgc tcaatgcaga aaaactagaa tctnnngaag 180  
atgtgtccca agctttcctt gaggtgttg ctgaggaaaa gcctcatgta aaaccctatt 240  
tctctaagac cattcgcat ttagaagttg tggagggaag tgctgctaga tttgactgca 300  
agattgaann nnnnnnnnnn nnnnaggttg tctggttcaa agatgaccag tcaatcaggg 360  
agtcccgcca cttccagata gactacgatg aggnnnnnnn nnnnnnnna attattagt 420  
atgtttgctg ggatgacgat gccaaagtaca cctgcaaggc tgtcaacagt cttggagaag 480  
ccacctgca 489

<210> 125  
<211> 602  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 32944\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (26)..(46)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (141)..(155)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (190)..(205)  
<223> n is a, g, c or t

<400> 125  
 accagaccag ccaagaaact gaaacnnnnn nnnnnnnnnn nnnnnngaga aacctacaca 60  
 gatgatcttc caccacctcc tgtgccgcca cctgctataa agtcacctac tgcccaatcc 120  
 aagacacagc tggaagtacg nnnnnnnnnn nnnnnaaaac tcccttctat ggatgcaaga 180  
 acagacagan nnnnnnnnnn nnnnnngaagc agttacaagg ggagagaagt gttggatgga 240  
 agacaggttg ttgacatgcg aacaaatcca ggtgatccca gagaagcaca ggaacagcaa 300  
 aatgacggga aaggacgtgg aaacaaggca gcaaaacgag accttccacc agcaaagact 360  
 catctcatcc aagaggatat tctaccttat tgtagaccta cttttccaac atcaaataat 420  
 cccagagatc ccagttcctc aagctcaatg tcatcaagag gatcaggaag cagacaaaga 480  
 gaacaagcaa atgtaggtcg aagaaatatt gcagaaatgc aggtacttgg aggatatgaa 540  
 agaggagaag ataataatga agaattagag gaaactgaaa gctgaagaca accaagaggc 600  
 tt 602

<210> 126  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 33102\_at HG-U95Av2

<400> 126  
 atatttttgg agtcccattg tttcagtggg cattaacaga atgctttaaa aacttctaag 60  
 acaagaatct atagcattag tatacactgg cacataattt tttaaaaagt tttaagaaaa 120  
 gattcatttg gaattttatt cacagtataa aatttcctca cctgaagtaa ctttgtttgc 180  
 caa 183

<210> 127  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

WO 2005/068655

74

&lt;220&gt;

&lt;223&gt; Probe 33103\_s\_at HG-U95Av2

<400> 127  
 tctcacagaa ggagaacttg aagagtataa gaggacaatc gaacgtaaac aacaaggcct 60  
 agaagaaaac catgagctgt tttccaagag cttcatctcc atggaagtgc ctgtcatggt 120  
 agtaaatggc aaggatgata tgcattgatgt tgaagatgag cttgctaagc gagtgagtag 180  
 gttaagcaca agtacaacca tagaaaacat cgagattact attaagtctc cagagaaaat 240  
 cgaagaagtc ctgtcacctg aaggctcccc ttcaaaatcg ccatccaaga aaaagaagaa 300  
 attccgcact ccttcttttc tgaaaaagaa caaaaaaaag gagaaagttg aggccataat 360  
 aaagtctttt tataattatt attataacaa tgtgacattg cacatctaaa taccacattt 420  
 aagttgatca ttaatatgca atggtagatc agattggggg atgtagcaaa ctggacttta 480  
 agaac 485

&lt;210&gt; 128

&lt;211&gt; 453

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33113\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 61..101, 142, 145, 197, 208, 213, 242, 243, 249..253

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 255..310, 399..401

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 128

tttctccagt gctcaactgt tagatattaa tcttggcaaa ctgcttaatc ttgtggattt 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagtgaaagg aaaaattgca 120

75

ttagtttggtt gcatgaactt cnganggggca gatattactg cacaaactgc catctcgctt 180  
catttttttta actatgncat ttgagtanca ganctaattt ttaaaatatg ctaaactgga 240  
anngattann nnnannnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300  
nnnnnnnnnnn tggctgtccc ccccgccgcc cccccaccc ccatatgtac agatgataat 360  
agggtgtgga atgtcgtcag tggcaaacat ttcacagann nttattttgt ttctgtcttc 420  
aacatttttg acactgtgct aatagttata ttc 453

<210> 129  
<211> 514  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33130\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (143)..(159)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (316)..(333)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (78)..(78)  
<223> n is a, g, c or t

<400> 129  
cttctaagcc acttgtttgg ttatgatttg tgtcttatca gggaaaaggt gccagctgc 60  
cagcccagct ccgctgnta tctttgcctc acttagtcat gtgcaattcg cgttgcagag 120  
tggcagacca ttagttgctg agnnnnnnnnn nnnnnnnnnt gtgctcagaa gagcacctgc 180

76

ccaaagtttt tctggtttta atttaaagga caaggctaca tatattcagc tttttgagat 240  
gaccaaagct agttagggtc tccttgatgt agctaagctg cttcagtgat cttcacattt 300  
gcactccagt tttttnnnnn nnnnnnnnnn nnnttctacc tctctatgtg cctgagtgat 360  
gatacaatcg ctgttttagtt actagatgaa caaatccaca gaatgggtaa agagtagaat 420  
ctgaactata tcttgacaaa tattattcaa acttgaatgt aaatatatac agtatgtata 480  
ttttttaaaa agatttgctt gcaatgacct tata 514

<210> 130  
<211> 549  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33235\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 26..40, 262, 273  
<223> n is a, g, c or t

<400> 130  
gtgtcacaaa gtcaataggt ccttannnnn nnnnnnnnnn ctaagggaaa tccgaactga 60  
atztatgcac atagaattgt caccctgact ttgaagcctc aaacatggat caaatctgtt 120  
gtgaaacatc aatatatgta gctggatgag tgactagttt cccttgata atatgtgatc 180  
taagaaaatt gctaattctt ccctgccatt ttgagaaaca cagtccaaac atgagcataa 240  
acagaatttc ctgcaatata tnccagtag gtncaccta gtttacaact taaactagtt 300  
tgtgaaacat ttgtctgtat acattttata ttttgtacat ttgatgtaa catatcatgt 360  
aaataggcag aaacagtga ataaatcatc tgaaaagttt tgtagtcttt gtaaagcccc 420  
aacaataagt acttgggtgc aatggactta actggatgat gtattttcta ttggtttatt 480  
gttcctctag cttgtaaacc agcttgcata tatttttttg caaatgtgca ccctgtatct 540



77

gtctaaatt

549

&lt;210&gt; 131

&lt;211&gt; 539

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33236\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (31)..(46)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (140)..(234)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 131

tgagcaacag tgcagaggtg aaacgggagc nnnnnnnnnn nnnnnnggga ggctgttgct	60
atcgggtcaa caacagcttg gaccatgagt accaaccacg gcccgaggag gtgatcatca	120
gttctgcgaa ggagatggtg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntggaaa	240
aggccaaggt tgaagtcggt gtggccacgg cgcttggaat cctgggtggt gctggatgct	300
cttttgcgat taggagatac caaaaaaag cgacagcctg aagcagccac aaaatcctgt	360
gttagaagca gctgtggggg tcccagtgga gatgagcctc ccccatgcct ccagcagcct	420
gaccctcgtg ccctgtctca ggcgttctct agatcctttc ctctgtttcc ctctctcgt	480
ggcaaaagta tgatctaatt gaaacaagac tgaaggatca ataaacagcc atctgcccc	539

78

<210> 132  
<211> 563  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33243\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 123..137, 235, 244..260, 444, 488..511, 520..534  
<223> n is a, g, c or t

<400> 132  
tgcttctgga attgagttct ccttttaagt accaatgata cttaaatttc tcagaaatgt 60  
aatggtgtgt cattgccttg aaatgcttgc ttagggcttc ttttatgtta tcttaaaaag 120  
tgnnnnnnnn nnnnnnnttt ttacatcca ttccacatgt aagagacaaa aaagtctaga 180  
ttggtcttga tattgagata ataaaaagta agtagcatta agaaaggtaa caatncttca 240  
ttcnnnnnnn nnnnnnnnnn tgaaacaatt taggggaatg aggggcaaaa ggggagaaat 300  
actgctaaag aacatgagca taaaaatgcg tgcgtttcag tgtttaagaa ggcttgataa 360  
agaatgtcac ttttttatatt aactgataag atttttgtta ttttttactt tgataagtaa 420  
accaaagaat atttgtatatt caancagttt gtgtggtgtt tctatataat tttctgtgta 480  
taaataannn nnnnnnnnnn nnnnnnnnnn ntaaaaaagn nnnnnnnnnn nnnnnnccag 540  
ctatgtcctc taggaaatga cag 563

<210> 133  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33249\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 44, 48, 49, 52, 94..135, 188..203, 343

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 133

cacagcatgc agactgggag ttgctagcaa acaaatggct tacntacnna angcagcttt 60  
 tagttcagac ttagtttttta taaaatggga attnnnnnnnn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnnncagct ttttgtatta acaaagttac tggctctttg tgtgtctcca 180  
 ggtaactnnn nnnnnnnnnnn nnncaaagcc atattctaaa ttcactgttg aatgcctgtc 240  
 ccagtcctaaa ttgtctgtct gctcttattt ttgtaccata ttgctcttaa aaatcttggt 300  
 ttggtacagt tcataattca ccaaaagttc atataattta aanaaacact aaattagttt 360  
 aaaatgaagc aatttatatc tttatgcaaa aacatatgtc tgtctttgca aaggactgta 420  
 agcagatt 428

&lt;210&gt; 134

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33281\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 31, 86, 91, 109, 112, 113, 179, 242, 243, 250, 258, 260

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 262, 263, 266, 267, 272, 281, 282, 285, 288..291, 293..332, 374

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 134

acccacagga aagagtgtgg cagcaactgc ntggctgacc tttctatctt ctctaggctc 60

80

aggtactgct cctccatgcc catggntggg ncgtggggag aagaagctnt cnnacgcctt 120  
cccactccct ctgggtttata ggacttcact ccctagccaa caggagagga ggcctcctng 180  
gggtttcccc agggcagtag gtcaaacgac ctcatcacag tcttccttcc tcttcaagcg 240  
tnncatgtn aacacagntn tnncnntcc cntgtgattt nnganggnnn ncnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnctatgctt ggtctgactg agcctaaagt 360  
tgagaaaatg ggtngccaag gccagtgcc gtgtcttggg gccctttgg ctctccctca 420  
ctctctgagg ctccagctgg tcttgggaca t 451

&lt;210&gt; 135

&lt;211&gt; 593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33295\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 108, 158, 229, 247, 349..363, 370..455

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 135

cagactgggt gcaggccagg tcccaggcct caccctgggg ctactgtgg gaatttgggg 60  
agtggctgcc ctactgacac tgcctgtcac cctggccagt ggtgcttntg gtggactctg 120  
caccctgata tacagcacgg agctgaaggo tttgcagncc acacacactg tagcctgtct 180  
tgccatcttt gtcttgttgc cattgggttt gtttggagcc aaggggctna agaaggcatt 240  
gggtatnggg ccaggcccct ggatgaatat cctgtgggcc tggtttattt tctggtggcc 300  
tcatggggtg gttctaggac tggatttcct ggtgaggtcc aagctgttnn nnnnnnnnnn 360  
nnntctggcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntctgc caccaggcca cccgcaccct 480

81

cttgccctct ctgcccctcc ctgaaggatg gtcttctcat ctggacaccc ttggaagcaa 540  
atcctagttc tcttcccacc tgtcaacctg aattaaagtc tacactgcct ttg 593

<210> 136  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33304\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 41, 85, 89, 96, 164..180, 216..231, 330..361  
<223> n is a, g, c or t

<400> 136  
gttcatccgg cctgagggag agatcaccca ttacagaacc ngggtcagcg gggtcacccc 60  
tcagcacatg gtgggggcca caccntttng ccgtgnccag gctagagatc ctgcagctcc 120  
tgaaaggcaa gctgggtggtg ggtcatgacc tgaagcacga cttnnnnnnnn nnnnnnnnnn 180  
acatgagcgg ctacacaatc tacgacacgt ccaactnnnnn nnnnnnnnnn ngtgaggcca 240  
agctggacca ctgcaggcgt gtctccctgc ggggtgctgag tgagcgcctc ctgcacaaga 300  
gcatccagaa cagcctgctt ggacacagcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nctatcaaat ctcccagaga atccgagccc gccgaggggt gccccgcctg gctgtgtcag 420  
actgaagccc catccagccc gttccgcagg gactagaggg ttccggcttt ttgggacagc 480  
aactaccttg cttttgga 498

<210> 137  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33331\_at HG-U95Av2

82

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 27, 74, 218, 242, 243, 310, 320..322, 459, 462..464

&lt;223&gt; n i s a, g, c o r t

&lt;400&gt; 137

gaaggaccca tgtcccagga accgcgntgc gccacctgca ctcaccccc tcacattctc 60

ttaagcaccg ggtngccctc cgaggcctgg cggaatggtg gtgcccacgg ggttgggcaa 120

gggctcacca ggacctcaac gggcaaagtt gtgcacacta aaatatcaaa tcaagggtgt 180

tggtttttaa gtaaattggtt ttctaaagaa agctgtgntc ttctgttgac ccagacgaat 240

anngcacagc cctgtaactg cacgtgcctt ctgtcattgg gaatgaaata aattattacg 300

agaaagggan ttgtcctaen nngtttgagg ccttacagtt ttgtatctac atttttcccc 360

tcctgggggtt tgcggggaca gggacagaac tacaggagtc atgggaaaga aaattctggc 420

ttcactactg ctcactgctc actttctgat cactctgana cnnntttttt tttttttttt 480

ttgcaacctg ataccttgaa aag 503

&lt;210&gt; 138

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33371\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 206, 236, 247, 359, 370..372, 414, 432..434

&lt;223&gt; n i s a, g, c o r t

&lt;400&gt; 138

cgacctctca gatattaggg aggttccct gaaggatgct aaggaatacg ctgaatccat 60

aggtgccatc gtggttgaga caagtgcaaa aaatgctatt aatatcgaag agctctttca 120

aggaatcagc cgccagatcc cacccttgga ccccatgaa aatggaaaca atggaacaat 180

83

caaagttgag aagccaacca tgcaanccag cgcgccgtgc tgttgacca agggcngtgg 240  
tccacgntac ttgaagaagc cagagcccac atcctgtgca ctgctgaagg accctacgct 300  
cggtggcctg gcacctcact ttgagaagag tgagcacact ggctttgcat cctggaagnc 360  
ctgcaggggn nngggcagga aatgtacctg aaaaggattt tagaaaaccc tggnaaaccc 420  
accacaccac cnnnacaaaa tggccttttag tgtatgaaat gcac 464

&lt;210&gt; 139

&lt;211&gt; 69

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33410\_at HG-U95Av2

&lt;400&gt; 139

agtgactgtg tttccctcaa agactgtagc tcagtattcg ggagtacctt ggtggatcat 60

cctagtggc 69

&lt;210&gt; 140

&lt;211&gt; 133

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33411\_g\_at HG-U95Av2

&lt;400&gt; 140

ctgtagcgtg aacgtgaact gtgtgaacat cagatgcccg ctgcgggggc tggacagcaa 60

ggcgtctctt attttgcgct cgaggttatg gaacagcaca tttctagagg aatattccaa 120

actgaactac ttg 133

&lt;210&gt; 141

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33439\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 27, 29, 78..118, 131..147, 159, 160, 379..404, 419

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 141

gaccagggtgc cttgccgcag agaaaancna ccaaagtctc ctgttcgctc ataaagaagt 60  
ttttgggatg ggagagannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt 120  
tttacagagg nnnnnnnnnn nnnnnnncaa cacaaaacnn cttccccctt ttaaaatgat 180  
ttctgttcta atgccataga tcaaaggcct cagaaaccat tgtgtgtttc ctctttgaag 240  
caatgacaag cactttactt tcacggtggt ttttggtttt tcttattgct gtggaacctc 300  
ttttggagga cgttaaaggc gtgttttact tgttttttta agagtgtgtg atgtgtgttt 360  
tgtagatttc ttgacagtnn nnnnnnnnnn nnnnnnnnnn nnnngcctat ttaaagacnc 420  
tacgtgatct gattgagatg taca 444

&lt;210&gt; 142

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33533\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 185, 237..266, 304, 305, 317..339, 347..349, 354..356

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 359, 361, 395, 445

&lt;223&gt; n is a, g, c or t



85

<400> 142  
aatagtattc cagcagacat tgttttttatc attaaagaca aagatcatcc aaaattttaa 60  
agggatggat caaatataat ttactgctaa aattagttta cgagaggaga ttgtgtggcg 120  
tgctcaatta atgtaccaac actggatgga agaacatacc tatgtcagta aatgatattg 180  
tgaancccg aatgaggaga agaattattg gatatgggct gccatttcca aaaaatnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnntttg aggtgtcctt cccagatact atatcttctt 300  
catnnaaaga agtactnnnn nnnnnnnnnn nnnnnnnnna gaatgannna cttnnntana 360  
natattttga taaggcactg aaaatataaa aggantggta gtttactgat gtagatgtga 420  
attctgtata aagatgtgta aattnttttg agggttcatt aaattgcatg aatagagaca 480  
ggtcaaataa ataggcaaaa gggattttta cagttagaga tagaagagaa aaccattcac 540  
tgtatatt 547

<210> 143  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33707\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 26, 86, 109, 168..190  
<223> n is a, g, c or t

<400> 143  
cgtggccggg ctctactacc cgaagnatag tgcccgaagt tgctgcttgg catagatgag 60  
cctcagcttc cagggcactg tgggcntggt ggtctactag ggccctgang tccacctggc 120  
cttctgttct ttcactccct tcagccacac gcttcatggc cttgagttnn nnnnnnnnnn 180  
nnnnnnnnnn ccaatcacca gtgaccagct agactgtgat tttgatagcg tcattcagaa 240  
gaaggcgtcc aaggagctga aggtggtgaa atttgcctg caggtccctc gggagatcct 300

86

ggagctggag catgagtgtc tgacaatcag aagcatcatg tccaatgtcc agatggccag 360  
aatgaatgtg atagttcaga ccaatgcctt ccactgtctc tttatgactg cacttctagc 420  
cagtagctct gcacaagtta gctctgtaga 450

<210> 144  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33731\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (72)..(72)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (79)..(79)  
<223> n is a, g, c or t

<400> 144  
ctgtgtatgt cagttgctgc agaaatggat ttggaagatg gaggagagat gcccaagcaa 60  
cgggatccca antctaacna aacaccatct ggaatcctga tgtggaaagc aggggtttct 120  
ggtctactgg ctagagctaa ggaagttgaa aaggaaagct cacttctttg gaggcacctg 180  
tccagaagcc tggcctaggc agcttcaacc tttgaactta ctttttgaaa tgaaaagtaa 240  
tttatttggt ttgctacata ctgttcaga cttttaaaagg ggacaatgaa ggtgactgtg 300  
gggaggagca tgtcaggttt gggcttggtt gttttagaag cacctgggtg tgcctaccta 360  
ctcctctttt cttttaaaag ggcccacaat gctccaattt cctgtctcct ttagagagac 420  
atgaaact 428

87

<210> 145  
<211> 531  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33764\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 121, 160, 244, 333..365, 415  
<223> n is a, g, c or t

<400> 145  
gtgtattacc agtattttact tgctttcttg atttcaccaa aaccaaattt aattttaagg 60  
accacattaa tttttcaaag ggaaagagac aattaattgt acataatgta tacacacaca 120  
naaaaaaaaaa tacctgtaga aatattattc cagcatagcn ggaaaacaaa caaaagtatt 180  
ggactgtcgg aggtgagcct gtgcgtctgt aaccctttgt gactcctgag cgtgcgctgt 240  
cttnctaggt taactcacga agtacattct ctgtcttact gatactgtag gttcacccat 300  
tttttttttaa tttcctcgca aataacaaga ccnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnttctt ttatatgcag caaacacacc gtccatttct gaagaggctt cggcntgaag 420  
gcattttoca atgatgtag tgcacaaaac gcttttaaatt agactggaac tgccagaatc 480  
aaatgtaa at gaggaatttc tcgtaccctt actgcatggt atcgattttt a 531

<210> 146  
<211> 361  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33772\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (161)..(161)  
<223> n is a, g, c or t

<400> 146  
ttgcttccag gtgtgcctgg catgggcctg gcccaggaag acaccacctc actgaggact 60  
ttgcgaatat cagagacctc agactcttca cagggtcagg actcagagag tgtcttactg 120  
gtggatgagg ctggtgggag cggcagggct gggcctgccc ntaaggggag ctccctgcaa 180  
gtcacatttc ccagtgaaac actgaactta tcagaaaaat gtatataata ggcaaggaaa 240  
gaaatacagt actgtttctg gacccttata aaatcctgtg caatagacac atacatgtca 300  
catttagctg tgctcagaag ggctatcatc atcctacaac tcacattaga gaacatcctg 360  
g 361

<210> 147  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33790\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (145)..(163)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> 174..190, 192..286  
<223> n is a, g, c or t

<400> 147  
cccacagcat gaagatctcc gtggctgcca ttcccttctt cctcctcatc accatcgccc 60  
tagggaccaa gactgaatcc tcctcacggg gaccttacca ccctcagag tgctgcttca 120  
cctacactac ctacaagatc ccgcnnnnnn nnnnnnnnnn nnntactatg agannnnnnn 180  
nnnnnnnnnn annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

89

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnagaa ctgagtgacc 300  
cagaaggggt ggcgaaggca cagctcagag acataaagag aagatgccaa ggccccctcc 360  
tccaccacc gctaactctc agccccagtc accctcttgg agcttccctg ctttgaatta 420  
aagacc 426

<210> 148  
<211> 129  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33791\_at HG-U95Av2

<400> 148  
agaatatcta gcatgtaagg cctttcaata ttaatataag cccaatatca gctctttctc 60  
tttgtatttc atctctttct actctcctat ttgtattttg tgttcctatc aaagtgtcgt 120  
atctgggag 129

<210> 149  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33802\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (32)..(32)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (42)..(58)  
<223> n is a, g, c or t

90

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (60)..(62)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (400)..(400)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 149

ttctttctag agaggggaatt ctcttggtg gnttccttac cnnnnnnnnn nnnnnnnntn	60
nngggcctcc agccctctca ctgtgtccct ctctctggaa aggaggaagg agcctatggc	120
atcttcccca acgaaaagca catccaggca atggcctaaa cttcagaggg ggcgaaggga	180
tcagccctgc cttcagcat cctcagttcc tgcagcagag cctggaagac accctaattg	240
ggcagctgtc tcaaacctcc aaaagccctg agtttcaagt atccttggtg acacggccat	300
gaccactttc cccgtgggcc atggcaattt ttacacaaac ctgaaaagat gttgtgtctt	360
gtgtttttgt cttatttttg ttggagccac tctgttctn gctcagcctc aaatgcagta	420
tttttggtgt gttctgttgt ttttatagca gggttggggg ggtttttgag ccatgcgtgg	480
gtggggaggg aggtgtttta cggcactgtg gccttg	517

&lt;210&gt; 150

&lt;211&gt; 528

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33803\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (186)..(186)

&lt;223&gt; n is a, g, c or t

91

<400> 150  
 tttctaccat ttcagagagg ccttttggaa tgtggcccct gaacaagaat tggaagctgc 60  
 cctgcccacg ggagctgggt agaaatgcag aatcctaggc tccaccccat ccagttcatg 120  
 agaatctata ttttaacaaga tctgcagggg gtgtgtctgc tcagtaattt gaggacaacc 180  
 attccnagac tgcttccaat tttctggaat acatgaaata tagatcagtt ataagtagca 240  
 ggccaagtca ggcccttatt ttcaagaaac tgaggaattt tctttgtgta gctttgctct 300  
 ttggtagaaa aggctaggta cacagctcta gacactgcca cacagggtct gcaaggctct 360  
 tggttcagct aagctaggaa tgaaatcctg cttcagtgtg tggaaataaa tgtatcatag 420  
 aaatgtaact tttgtaagac aaagggtttc ctcttctatt ttgtaaactc aaaatatttg 480  
 tacatagtta tttatttatt ggagataatc tagaacacag gcaaaaac 528

<210> 151  
 <211> 606  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 33849\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 392..394, 396, 398, 399, 401..403, 405, 445..448, 553  
 <223> n is a, g, c or t

<400> 151  
 tcttactgga atgtctaggc actgtacagt tattatatat cttgggtggt gtattgtacc 60  
 agtgaaatgc caaatttgaa aggcctgtac tgcaatttta tatgtcagag attgcctgtg 120  
 gctctaatat gcacotcaag attttaagga gataatgttt ttagagagaa tttctgcttc 180  
 cactatagaa tatatacata aatgtaaaaa acttacaaaa gtggaagtag tgtattttta 240  
 agtaattaca cttctgaatt tatttttcat attctatagt tggatgact taaatgaatt 300  
 actggagtgg gtagtgagtg tacttaaagc tttcaattct gttatatttt ttattaagtt 360

92

```

tttaaaaaat taaattggat attaaattgt annnananna nnnantaatt ttaaactgaa      420
tgccctcaat aagtaatact gaagnnnnntt cttaaatgaa gataaattat ctccaatgaa      480
aagcatgaca tgtgtttcaa tagaagaatc ttaagttggc taaattcaaa gtgcttgaca      540
tcaaaatgtt ctngagtgat tagctactag attctgaatc atacatcaca tctgactaga      600
gaccag                                           606

```

&lt;210&gt; 152

&lt;211&gt; 440

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33862\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (407)..(408)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 152

```

tcacttggcg aggagccgc ctgctcggc cctcctgca gttcaccttg atcatgatgg      60
ccttctacac gggactgtct cgcgtatcag accacaagca ccatcccagt gatgttctgg      120
caggatttgc tcaaggagcc ctggtggcct gctgcatagt tttcttcgtg tctgacctct      180
tcaagactaa gacgacgctc tccctgcctg cccctgctat ccggaaggaa atcctttcac      240
ctgtggacat tattgacagg aacaatcacc acaacatgat gtaggtgcca cccacctcct      300
gagctgtttt tgtaaaatga ctgctgacag caagttcttg ctgctctcca atctcatcag      360
acagtagaat gtagggaaaa acttttgccc gactgatttt taaaaannaa aaaaaaatg      420
ttttactatg tggccttcca                                           440

```



93

<210> 153  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33900\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 31, 39, 41, 50..52, 58, 61, 63..69, 71..77, 79, 82..89  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> 91, 92, 95, 117..209, 319..339, 398..412  
<223> n is a, g, c or t

<400> 153  
tgtgacatcc ggagtcctgg agccgggtgt nccagtggna ncactaggtn nntgctgnct 60  
  
ncnnnnnnng nnnnnnnncn annnnnnnnt nnttngtccc ccacaacctg ccccggnnnn 120  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnt tctcccacga cggtcaccc tcccctccat 240  
  
ctgcgttgat gtcagaatc gcctacctgt gcctgctgt aaaccacagc ctgagaccag 300  
  
ctatggggag aggacaacnn nnnnnnnnnn nnnnnnnnnc ggtctggggg gaggagtgtg 360  
  
gggagcttgg gcatectcct ccagcctcct ccagccennn nnnnnnnnnn nncctgtggt 420  
  
gccagaaaa gtgcccctag gttggtgggt ctacaggagc ctgagccagg cagcccaccc 480  
  
caccctgggg ccctgcctca ccaaggaaat aaagactc 518

<210> 154  
<211> 351  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 33925\_at HG-U95Av2

94

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (180)..(180)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (306)..(308)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (199)..(199)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (322)..(323)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 154

ttgggtttcgg acgacccttg ctctgaccgg aagagaagtc cctatcccac acctgcctgt 60

cacgttcct cccctttccc cagcgactg ttgagggcag cctctccagc tctcttggtt 120

atgcaaacgc cgagcgcttg ggaggctcgg taggaggagt cttccacggc cccgccccgn 180

ccctgtcggg cccgcccctnc ccccgccgg gctcctgggg ctgtggccga aagggttctg 240

atctccgtgt gtgcatgtga ctgtgctggg ttggaatgtg aacaataaag aggaatgtcc 300

aagtgnnnaa aaaaaaaaaa annaggaggagt ttgggtgcac aaggcctccg c 351

&lt;210&gt; 155

&lt;211&gt; 330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33943\_at HG-U95Av2

95

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (33)..(63)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (123)..(123)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (144)..(144)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 155

gtgaccacgt gaccaacttg cgcaagatgg gannnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnttgacaa gcacaccctg ggagacagtg ataatgaaag ctaagcctcg ggctaatttc 120

ccnatagccg tggggtgact tccontggtca ccaaggcagt gcatgcatgt tggggtttcc 180

tttacctttt ctataagttg taccaaaaaca tccacttaag ttctttgatt tgtaccattc 240

ttcaaataaaa gaaatttggg acccaggtgt tgtctttgag gtcttggtatg aatcagaaat 300

ctatccaggc tatcttccag attccttaag 330

&lt;210&gt; 156

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34022\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 33, 39, 42, 46, 53, 60, 65, 93

&lt;223&gt; n is a, g, c or t

96

<400> 156  
gtatcattga cacttcctgc aggggtgggtcc ctngccctna cnaganctga aantgaaaan 60  
gagancagca gctttctagg gacagctgga aanggactta atgtgtttga ctatttctta 120  
cgagggttct acttatttat gtatttattt ttgaaagctt gtattttaat attttacatg 180  
ctgttattta aagatgtgag tgtgtttcat caaacatagc tcagtcctga ttatttaatt 240  
ggaatatgat gggtttttaa tgtgtcatta aactaatatt tagtgggaga ccataatgtg 300  
tcagccacct tgataaatga caggggtgggg aactggaggg tgggggggatt gaaatgcaag 360  
caattagtgg atcactgtta gggtaaggga atgtatgtac acatctattt ttataacttt 420  
ttttttaaaa aaagaatgtc agttgttatt tattcaaatt atctcacatt atgtgttcaa 480  
catttttatg ctgaagtttc ccttagacat tttatgtctt gcttgtaggg cataatgcct 540  
tgtttaatgt ccattctgca gcgtttctc 569

<210> 157  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 34075\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 40..70, 330, 331, 344, 346, 347, 357  
<223> n is a, g, c or t

<400> 157  
aggacaacga ctaccaccgc agcgacgagc aggtgagcan nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn cgggctgaag cggaagtgga tccgctgctc agcccaggcg accgtcttgc 120  
atctgaagaa gttcatcgcc aaaaaactca acctttcatc cttaacgag ctggacattt 180  
tatgcaacga ggagatcctg ggcaaggacc acacactcaa gttcgtgggt gtcactaggt 240  
ggagattcaa gaaggcgccg ctctgtctgc actacagacc caagatggac ttgctgtgaa 300

97

tggtgccaca cagcgccac agactgggcn ntgcaccct tggntnntcc cggccgncgc 360

gcttaagaac attgcctctg ggtgtcatgt ggaccagact tctgaataga 410

<210> 158

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 34082\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 96, 97, 99, 113, 115, 120..178, 238..252

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 313, 522, 536, 542

<223> n is a, g, c or t

<400> 158

actctgtgcc cgaatggtgg tgcagcgccc ctgtcctggt tgtgttgta cgtgtttgac 60

cagcacaggg gtccggtggg gaaaatgtat gggttntnt cagttgttg c tantnctgan 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnat 180

gattgtgttt aggtttgaaa ttgctcaagt gtctggctca ggtggtggt ctgagacnnn 240

nnnnnnnnnn nngagcccag atgcttaggt ccactagggc ccatctaggg aagggaaagg 300

agatttcagc ggnttccccg aaaggaacag gactgtcggg atgcttcccc gatgtctaca 360

gttgccccctt cctgcagtga gattactgct tcctgtttcc ctccagctct tcccagcagc 420

agtgaggagg tattaagagg gatcttgtag tcgctgcctg gctcttggtg gcggcccttt 480

aagactcagg ttgagctcag ccaagtcccc cttagcgcag gntttgattc aaggtngtca 540

gnaagttaga ttgtcaaaac atttcgagag agaggcag 578

WO 2005/068655

98

<210> 159  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 34209\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> (196)..(196)  
 <223> n is a, g, c or t

<400> 159  
 agatccggcc tcaggactta cacctcctgc ctgaccccca ggcttctctc tcctttctcc 60  
 cagcaaaactg cagtggcaga aaggagggttc agaggctggg aaagtgggccc tccccttgca 120  
 actcagagct gctgcactca ggagggcccc atccaatccc gggcccctgc agggaaaagc 180  
 gctgggtgtg tgtcanaggc gcagggtggg tggggctgcc agccaggacc ctggcctgca 240  
 gcctgatcca aaccaaagac tgtagaacc tgggggtgtg ctaacggccc ctccagcacc 300  
 catagccagg tcttcctggc ccttgaggct gggctggcgg acaggcacct acc 353

<210> 160  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 34232\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> (43)..(57)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (116)..(130)  
 <223> n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (217)..(274)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 160

```

atatggcaac ggaacatcct caagcagagg tagtaaaaca ggnnnnnnnnn nnnnnnnnaaa      60

gtaaagtgtt gggatgaagt gggaaacagg acagcagctc tgctagcttg gctagnnnnn      120

nnnnnnnnnn cggaagaag gaggtggctg agaagagcca gatcaacctc attgataaga      180

aatggaagcc cctgcaaggt gtggggaacc tggcagnnnn nnnnnnnnnn nnnnnnnnnn      240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaatgaa accacaaggc ttgagaatag      300

aaattaaaag caaaaataaa gttcggcctg ggtctctctt tgatgaagta agaaagacag      360

cacgcttaaa ccgtagacca agaaatcagg agagttcaag tgatgagcag acgcctagtc      420

gggatgatga tagccagtcc aggagtccaa gtagatctcg aagtaaattt gaaaccaaatt      480

caagacacag aacaaggtct gtctcctata gtcactcaag aagtcgatc                    529

```

&lt;210&gt; 161

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34261\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (425)..(427)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 161

```

ctctaactgg cctggctctg gaagggctgg tgaggactct gcctccttgc ctgcctacaa      60

ggtgccctgg ttgcagcagg ctctccgctc tttccagcaa agctgctcag agaggggtgc      120

```

100

cagcacagtg gagaggccgg aagtgagacg ggcagacggc acctgcagcc tgaaacgcac 180  
cgctcctgcg tgcgccccca cctgggtccc ggatgcccc accacctgga cagaggccac 240  
actgactgcc caccagctg tggcgggagg tgcagagcag agggctttag ggagcagtga 300  
ctgcgggtcac ccctttagtt ctctgggtgt agaccacacc acctcccact gggcaccccc 360  
caacacggtg tcctgccacc cagcgcttg ctccaggaaa acacgcttgc cttccttccc 420  
ggcannntcg ccactctcct tatggactct gttctgtttg tacatggctg acggaaatct 480  
ctttggt 487

&lt;210&gt; 162

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34265\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (352)..(385)

&lt;223&gt; n i s a , g , c o r t

&lt;400&gt; 162

gatgctagac gaaaaccac attacctgtt aggcctcagc atggcttatg tgcacgtgta 60  
aatggagtcc ctgtgaatga cagcatgttt cttacataga taattatgga taaaaagcag 120  
ctgtatgtag atagtgtatt gtcttcacac cgatgattct gctttttgct aaattagaat 180  
aagagctttt ttgtttcttg ggtttttaaa atgtgaatct gcaatgatca taaaaattaa 240  
aatgtgaatg tcaacaataa aaagcaagac tatgaaaggc tcagatttct tgcagtttaa 300  
aatggtgtct gaggttgtag tattttggcc aagtctgtag aaagctgtca tnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnntgggc attgttatac accagtaaag aaggctgtac 420  
tcaagaggag gagctgacac atttcacttg gctgcgtctt aataaacatg aatgc 475



101

<210> 163  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 34272\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (46)..(62)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> 331..346, 349..370  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (378)..(378)  
<223> n is a, g, c or t

<400> 163  
tgaattcatc tcagtccagg caaccaaaga ggtgaacctg gattcnnnnn nnnnnnnnnn 60  
nncaagccgg aacatgctag agcctacaat aacctgcttt gatgaggccc agaagaagat 120  
tttcaacctg atggagaagg attcctaccg ccgcttcctc aagtctcgat tctatcttga 180  
tttgggtcaac ccgtccagct gtggggcaga aaagcagaaa ggagccaaga gttcagcaga 240  
ctgtgcttcc ctggtccctc agtgtgccta attctcacct gaaggcagag ggatgaaatg 300  
ccaagactct atgctctgga aaacctgagg nnnnnnnnnn nnnnnnatnn nnnnnnnnnn 360  
nnnnnnnnnn attgtagnct aatattcatg ctgcctgccca tgt 403

<210> 164  
<211> 596  
<212> DNA  
<213> Homo sapiens

102

&lt;220&gt;

&lt;223&gt; Probe 34273\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (512)..(571)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 164

tgatttgacc actgacagcc tccaccttga gcactattct aaggagcaaa taccttagct	60
cccttgagct ggttttctct gatggcactt ttgagctcct aagctgccag ccttcccttc	120
ttttcctggg tgctcagggc atgcttatta gcagctgggt tggatggag ttggcagaca	180
ggatgttcaa cttaatgaag aaatacagct aaggccttgc cagcaacacc tgccgtaagt	240
tactggctga gtgagggcat agaagttaa gggttactgtt tttatcctct atcctttttt	300
cctttcctga tcaaggtgct cttctcattt tttcctgaga accttagcca tcagatgagg	360
ctccttagtt tattgtgggt gggtgttttt tctttataat ggctctgggc tatatgccca	420
tatttataaa ccagcagcag gggaaagatt atattttata agagggaaca aattttcaca	480
atttgaaaag cccacataag ttttctcttt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncttttttagg ctctgagact aaatga	596

&lt;210&gt; 165

&lt;211&gt; 568

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34288\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 39, 41..43, 45, 394..418, 428..443, 493..512

&lt;223&gt; n is a, g, c or t

103

<400> 165  
tttgcaacag gcagagctgt gtcgcacagc agtgctgtnc nnnanagcca gctgaggaca 60  
ggcttgccctg gacttctgta agataggatt ttctgtgttt cctgaatttt ttatatgggtg 120  
atttgtattt aaattttaag actttatttt ctccactattg gtgtacctta taaatgtatt 180  
tgaaagttaa atatatttta aatattgttt gggaggcata gtgctgacat atattcagag 240  
tgttgtagtt ttaaggtttag cgtgacttca gttttgacta aggatgacac taattgtag 300  
ctgttttgaa attatatata tataaatata tataaatata taaatatatg ccagtcttgg 360  
ctgaaatgtt ttatttaacca tagttttata tctnnnnnnn nnnnnnnnnn nnnnnnnnat 420  
atggaacnnn nnnnnnnnnn nnntgcagtt tgtgacatta atagtattgt aaagttacat 480  
tttaaaataa acnnnnnnnn nnnnnnnnnn nnaaatctgc acacacaacg aacagttgca 540  
tttcagagag ttctctcaat ttgtaagt 568

<210> 166  
<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 34304\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (139)..(166)  
<223> n is a, g, c or t

<400> 166  
agtacttgct aaaaatggca acagaggagt gaggagtgtc gctgtagatg acaacctcca 60  
ttctatttta gaataaatc ccaacttctc ttgctttcta tgctgtttgt agtgaaataa 120  
tagaatgagc acccattcnn nnnnnnnnnn nnnnnnnnnn nnnnnncatg tttgaaatga 180  
ggctctgttta aagtggaat ctcagatgca gtttgagag tcagatcttt ctcccttgaat 240  
atctttcgat aaacaacaag gtggtgtgat cttaatatat ttgaaaaaa cttcattctc 300

104

gtgagtcatt taaatgtgta caatgtacac actggtactt agagtttctg ttt 353

<210> 167

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 34375\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (33)..(33)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (189)..(189)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (199)..(199)

<223> n is a, g, c or t

<400> 167

ccagatgcaa tcaatgcccc agtcacctgc tgntataact tcaccaatag gaagatctca 60

gtgcagaggc tcgcgagcta tagaagaatc accagcagca agtgtcccaa agaagctgtg 120

atcttcaaga ccattgtggc caaggagatc tgtgctgacc ccaagcagaa gtgggttcag 180

gattccatng gaccacctng gacaagcaaa cccaaactcc gaagacttga acactcactc 240

cacaacccaa gaatctgcag ctaacttatt ttcccctagc tttcccaga caccctgttt 300

tattttatta taatgaattt tgtttggtga tgtgaaacat tatgccttaa gtaatgttaa 360

ttcttattta agttattgat gttttaagtt tatctttcat ggtactagtg ttttttagat 420

acagagactt ggggaaattg cttttcctct tgaaccacag ttctaccctt gggatgtttt 480

105

gaggggtcttt gcaagaatca ttaataca

508

&lt;210&gt; 168

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34390\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 34, 39, 40, 44, 464..478

&lt;223&gt; n i s a, g, c o r t

&lt;400&gt; 168

gtacagctgt gttctgtgtac aacctcttgc ggancggggnn aagntgacta ccgaacaaga 60

catgctgcct gccctgtgct tgtgggctgc aagtgggtct ccaataagtg gttccatgaa 120

cgaggacagg agttcttgag accttgtgga tcaacagaag ttgactgaca tccttttctg 180

tccttcccct tcctggctct tcagcccatg tcaacgtgac agacaccttt gtatgttctt 240

ttgtatgttc ctatcaggct gatttttggg gaaatgaatg tttgtctgga gcagagggag 300

accatactag ggcgactcct gtgtgactga agtcccagcc cttccattca gcctgtgcca 360

tccctggccc caaggctagg atcaaagtgg ctgcagcaga gttagctgtc tagcgccctag 420

caagggtgcct ttgtacctca ggtgttttag gtgtgagatg tttnnnnnnn nnnnnnnnct 480

gataccttgt ttacatgttt gtttttatgg catttctatc tattgtggct 530

&lt;210&gt; 169

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34432\_at HG-U95Av2

106

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (218)..(218)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 169

cagggtggctc ccagctgcat tctgagaact ctgtgattgg gcaaggccct cccctgcccc 60  
accagcccc acccgctgg agacacaccc tccccacaa tctttctaga cagggtgcttc 120  
aggacagagg acaggcatgg cttccccttg ggcctcctca gtaggcggtc tggcctgacc 180  
cccaacaaag aagcctggag gtcagagaag caaatgcnga gcctgctccc tcctaagaag 240  
atcccaagaa tccaatggct cagtccttgg tgatctaaga cagcaaagaa gtgtgcaagg 300  
agggccctgt tagctccac tgtcctgggt tctcctctg gagtctaatt tccttgcccc 360  
tctgagcctt ttgagtctgg gccctggtcc aatgctgctg ttgt 404

&lt;210&gt; 170

&lt;211&gt; 76

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34636\_at HG-U95Av2

&lt;400&gt; 170

tagaggggca ccttttcatg gtctctgcac ccagtgaaca cattttactc tagaggcatc 60  
acctgggacc ttactc 76

&lt;210&gt; 171

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34666\_at HG-U95Av2

107

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 129, 135, 136, 140, 142, 147, 149

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 171

tgctctattg tagcatttct tgatgttgct tagtcactta tttcataaac aacttaatgt 60

tctgaataat ttcttactaa acatttttgtt attgggcaag tgattgaaaa tagtaaattgc 120

tttgtgtgna ttgannctgn anttggnctna ttttcttcag agagctaaat tacaattgtc 180

atttataaaa ccatcaaaaa tattccatcc atatactttg gggacttgta gggatgcctt 240

tctagtccta ttctatttga gttatagaaa atctagtctt ttgccccagt tacttaaaaa 300

taaaatatta acactttccc aagggaaca ctcggctttc tatagaaaat tgcacttttt 360

gtcgagtaat cctctgcagt gatacttctg gtagatgtca cccagtgggt tttgttaggt 420

caaattgttc tgtatagttt ttgc 444

&lt;210&gt; 172

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34678\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 158, 161..164, 166..171, 173..177, 179..186, 188..191

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 193..198, 200..214, 218..234, 432..454, 457..491

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 172

ccgaactatt tgtcaatgaa gattgttaaag ccaaattgtt acaaaggca aaggcttcat 60

108

ttcaagagtc atccagcaat gagagaatcc tgcctctgta gaccaacatc cagtgtgatt 120  
ttgtgtctga gaccacaccc cagtagcagg ttacgcentg nnnncnnnnn ncnnnnntnn 180  
nnnnnngnnn ntntnnnnn nnnnnnnnnn nnnnaacnnn nnnnnnnnnn nnnntgttat 240  
ctcttaagta ttaaaagttt ttttttctaa agtttaaadc atgtttttca aaatattttt 300  
caagggtggct ggttccattt aaaaatcatc tttttatatg tgtcttcggt tctagacttc 360  
agcttttgga aattgctaaa tagaattcaa aaatctctgc atcctgaggt gatatacttc 420  
atatttgtaa tnnnnnnnnn nnnnnnnnnn nnnnaannnn nnnnnnnnnn nnnnnnnnnn 480  
nnnnnnnnnn ngcccacaac cattgctata ttttgatgg a 521

&lt;210&gt; 173

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34690\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 120..139, 340..343, 345..348, 366, 375

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 385, 409, 420, 428

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 173

ttaaaaagcc acattggagc tcccttctac ccactaaaaa ataaccaatt tttacatttt 60  
ttgaggggga gtgagtttta ggaaagggga attaagattc caggagagc tctggggatn 120  
nnnnnnnnnn nnnnnnnnt ctctcccaa gcccttttt agtgactaag tcaaggcccc 180  
aactccctc cccacccta cgctgagctt attcgagttc attcgacta ataatccctc 240  
ctgcggcttc ctcatgttg ctgttttagg ccacccagc tcagccaatg attcctttcc 300



109

ctctgaatgt cagttttgtt tttaaaagtc acttgcttan nnnannnnag cgtatgtgta 360  
 tttgngggg aaaancctaa tttcngggga tttctgtggt aggtaatang gagaagaaan 420  
 gggcactngg gggctgttct ccttccttcc ctggg 455

<210> 174  
 <211> 549  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 34720\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 35, 38..73, 118..140, 264..305, 458, 476..480, 483, 485  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> 488..490, 492, 494..499, 501..504, 506..512, 514..516  
 <223> n is a, g, c or t

<400> 174  
 tctcaccaac gaaggctagg aggcggcgctc agagntgnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnncaactctg atttctaaaa gttaaaaaaa atatatgaaa tctctgtnnn 120  
 nnnnnnnnnn nnnnnnnnnn ttattaaatt tcggccctta acccagcctt ttccagtgtg 180  
 taaccagtt tgaaatctta aaaaaagaaa aaatgaaaaa aaaaggaaaa aaagaaaaaa 240  
 ggaaaaaac agtttgaaca caannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnctctg catgcaacag taaaaattaa tataatattt tccccacaaa agaaacactt 360  
 aacagaggca agtgcaattt ataaatttat atctaaaggg gaatcatgat tataagtcct 420  
 tcagcccttg gactctaaat tgaggggatt aaaaagantt taaaataatt ttgaannnnn 480  
 ttntntnnn cncnnnnnnn nnnngnnnnn nnannncatt aattcaagac aaatccatgt 540  
 ggcttgagg 549

110

&lt;210&gt; 175

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34748\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (85)..(85)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (87)..(104)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (160)..(174)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (348)..(348)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (489)..(489)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 175

tgctcagcaa aattgttgag tacctgttct gggcagggtcc cacgctatat gcacaaagtt 60

aagaaaaact tggctcttagc ccttngnnnn nnnnnnnnnn nnnngggcat taaggcaaag 120

tagttccagt gatttaaaat acggttccaa atacgctaan nnnnnnnnnn nnnnaccaga 180

111

tttacagatt ggaaatactg cagatgatgt gaagttatca gttggaggag ctgtgattaa 240  
gctggataat aagagaacgt gccatctgta aagcactcag aaggcagcca tccctagatg 300  
ttggtttcat gtatattaca ctatctacta ctatccataa atgcaatnat atgcatgtta 360  
acaacattaa aaacagcaaa cagcaatcta agtacagaaa agctttttgt gtgttttaaaa 420  
aaattgaaga aaattcagga agaaacgtgt taataaacat tgtactgttc ttttgcttct 480  
caaaggaant attcacttgc cactttgggtt atttttgagt tttcgtacat aggaagtttt 540  
atattgccag ccttcctgtg ataaagatat taa 573

&lt;210&gt; 176

&lt;211&gt; 281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34759\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (128)..(197)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 176

caaattgcc a tggtatgggt ctgccttgaa acagcacaat gaagtgtatc agtatattct 60  
gtgattatga aacttatatg ttgtgttgtt ttgtgtcttc tgttgacctg cctttgggcc 120  
agatgtgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnntta cctaactttt tgtatgtttt catgactgtg tgttattttc 240  
caaagctgtt cctacctcac catgaggctt tatggattgt t 281

&lt;210&gt; 177

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

112

&lt;220&gt;

&lt;223&gt; Probe 34760\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 294, 296, 299..303, 509, 510

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 177

cttgtagtga gcagtgtatg gtctcttttg ttcagaattt aaaactgata accaatgaaa 60

gcctttttctc ttattcctct accgtcattt acatgataat ctgaagctaa tatgacaata 120

tttaaatact aagtgggtact aggggaactac aagaatactg taaagcttaa gccattgtta 180

tcactgtcat ttagcattta ataacaaaac tatacagaat tatgtgcata ccaatgaatg 240

ttttgtacca tctagttaaa ttttttaaataa aaagttttat gggttaagca gaananaann 300

nnnatactga attttattaa aagtatatat acttcaaatt caaagcatcc cttaggaccc 360

acagaatata ttaaaaactac cacccttaaa ttttatattt ttgctttaag acagacaatg 420

caaaggtaac tggcaagagg tgagcaaatg ttttagaaca tttatattat tgcttaaaat 480

gagatttgaa attgtaataa aattcttgnn tatgaagtct gatgtcttct ctgagcac 538

&lt;210&gt; 178

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34876\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 222, 228, 241..244, 266..303

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 178

tgaggtgccc aacacccatt catctcaagt gcttcagtct ttggtttatt tcatgcactg 60

113

tgccttcaaa atgaaatddd taaaaggac tttaaataa gttgaatagt agtdtttaaa 120  
agtcaattdg taattdtatgt gaaatctaac tgtaatgagg tccttdctgt ttdttatatg 180  
taaacagatc tactaatcct gtataaaaagt tatttdtacga anaaaaanaa aaaaaaaaaa 240  
nnnndtcata atcttdtttdc agatgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnntattdtag ttdtdctgcc tatgctagtg gaaaaatagt accaggatca gaatacaggg 360  
tatcacctat ggaatgttdc tgtattdtatg aattgactca aaagaaagct ttgttdctga 420  
aatcgcat 428

&lt;210&gt; 179

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34886\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (197)..(216)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 179

atcacacaga tcaggcagtg tttaaataa tggtaggtag cacagtggac agtcttdgat 60  
catcatgtag aatatggcta tgaatcagga aagagattag aacatttaat aatgtatgta 120  
cagctgggtgc ttagtdtttdt tttaatactaa atttaattac cttattggat atttgatatt 180  
tggtdatttda atcacannnn nnnnnnnnnn nnnnnndtga ttggtgttdt atctcctgtg 240  
atccttdtgat ggttdtttdt gcctaccatt tcacagaggt ttagacagca gtagtagctc 300  
cctaggagag ttdactgatg aaacagcctc tgcaaga 337

114

<210> 180  
 <211> 528  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 34887\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 361..367, 371..374, 376, 377, 379..383, 385..387, 499  
 <223> n is a, g, c or t

<400> 180  
 gcactaccat agctacatca gtttgatata gtattgaaaa attatcagtt atattttgct 60  
 gtttatgatc tatttgtaga ttaggattaa aatggattta atccattttt aaggctgtgt 120  
 gaatttttct aaacaagaac catttgcaat atggatttct tagagattaa accaattata 180  
 acttatttagc agtcgcgagc acatgttcat atagtcaatg taaaaatata ctaatgagta 240  
 tttggtaa at cccagtaggc ttttaccatt agcataattt tgtgtgtgtac aattaagtta 300  
 caattacatc tctaattttg gataatattc attggttaac aataaagtga caaaagctca 360  
 nnnnnnnaaa nnnnanngnn nnnannnaac atggattttt tgtatgtttc ttgaaaatta 420  
 caatctttat cacagccatg aatcaccaca acttaaaagt aagaagtaga taggaaataa 480  
 ttttaa atcc tcatagatnt actctttccc cgatacctct ttggtatg 528

<210> 181  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 34916\_s\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 203, 205..207, 212..287, 319, 325  
 <223> n is a, g, c or t

115

<400> 181  
ccaactgcac cttggctggg aagcacaccc tgcagccggc cagcaatagc tcggacgcaa 60  
tctgtgagga cagggacccc ccagccacgc agccccagga gaccagggc cccccggcca 120  
ggcccatcac tgtccagccc actgaagcct ggcccagaac ctacagggga ccctccaccc 180  
ggcccgtgga ggtccccggg ggcnnncgg tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncgg agggaccaga 300  
ggctgcccc cgatgccna caagcccct gggggaggca gtttcggac ccccatccaa 360  
gaggagcagg ccgacg 376

<210> 182  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 34975\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (46)..(46)  
<223> n is a, g, c or t

<400> 182  
cagatctgtc atgtatccct aaaaggagg agctggccac tggtcttttg gaaagccatg 60  
agtatatagt tagcaaatac tgaactttct cagatatggc attagatgca agacaacctc 120  
ctagggattg atgcctaact gatggattct ctttgagact atttagatat tatgtgagca 180  
atttaaagac cagatctaag caaatTTTga aatagatggt tgttttttgt atttctcagt 240  
atggaaacta atgctgccac tctcatcccc gtcccaacca tctctgtcaa aaatatacct 300  
ttttcatatg atattctgag ctaatctgat aaaatctatg ccaatatata ctattgcttg 360  
tgt 363

116

<210> 183  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35017\_f\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 82, 102, 107, 108, 134, 323  
<223> n is a, g, c or t

<400> 183  
tacctggagg gcacctgcat ggagtggctc cgcagacacc tggagaacgg gaaggagacg 60  
ctgcagcgcg cggaccccc cnaagacaca cgtgaccac cncctnnct ctgaacatga 120  
ggcataacga ggtntctgggt tctgggcttc taccctgcgg agatcacatt gacctggcag 180  
cgggatgggg aggaccagac ccaggacatg gagctcgtgg agaccaggcc cacaggggat 240  
ggaaccttcc agaagtgggc ggttgtggtg gtgccttctg gagaggaaca gagatacaca 300  
tgccatgtgc agcacaaggg gcntgcccac gccctcatc ctgagatggg agccctctcc 360  
ccagcccacc atccccattg tgggtatcat tgctggcctg gttctccttg g 411

<210> 184  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35025\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (226)..(265)  
<223> n is a, g, c or t

<400> 184  
tttctggagg tctctgaacc cagggaagac aagaaggaaa gattttgttg ttgtttgttt 60



117

atttggtttc cccagtagtt agctttcttc cctggattcc tcacttttga agagtgtgag 120  
 gaaaacctat gtttggcgct taagctttca gctcagctta atgaagtgtt tagcatagta 180  
 cctctgctat ttgctgttat tttatctgct atgctattga agtttnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnntaatc ttacaaagtg tcttggaatt gtaggtgact 300  
 attatttttc caagaaatat cccttaagat attaactgag aaggctgggg gtttaatgtg 360  
 gaaatgatgt ttcaaaagga atcctgtgat ggaaatacaa ctggtatctt cactttttta 420  
 ggaattggga aatattttta tgtttcttgg ggaatatgtt agagaattcc cttactcttg 480  
 attgtgggat actatttaat tatttcactt tagaaagctg agtgtttcac accttatcta 540  
 tgtag 545

<210> 185  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 35153\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> (34)..(34)  
 <223> n is a, g, c or t

<400> 185  
 tacattctag atgcaagtct cttgtcggat atangtattg agatattaca cctagtctgt 60  
 ggcttgactg ttttctttat gtcttttgat gaatagaagt tttaaatttt gacaagggtca 120  
 aatttatattt tttcttttgt ttgatatttt ttctctccaa tttaacccca agatttcaga 180  
 tattctgctc tattatataa actttatatt tttatatttg tgatctacct tgaattgata 240  
 tgtatgttgt gaattatgga tcagggttct ttttttcccc catacaagta tccagtcatt 300  
 gtaacactgt ttattg 316

118

&lt;210&gt; 186

&lt;211&gt; 38

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35168\_f\_at HG-U95Av2

&lt;400&gt; 186

taaatggcca aagcttatag gactctgtga caggttgt

38

&lt;210&gt; 187

&lt;211&gt; 539

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35261\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 46..76, 325, 327, 328, 349, 372..406, 499..513

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 187

cgcctagaag acagcggaac taagaaaaga agaggcctgt ggacannnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnncgag gtagaccag agctaacaga aaagctgagg aaattccgct 120

tccgaaaaga gacagacaat gcagccatca taatgaaggt ggacaaagac cggcagatgg 180

tggtgctgga ggaagaattt cagaacattt cccagagga gctcaaatg gagttgccgg 240

agagacagcc caggttcgtg gtttacagct acaagtacgt gcatgacgat ggccgagtgt 300

cctacccttt gtgtttcatc ttctnccncc ctgtgggctg caagccgna acaacagatg 360

atgtatgcag gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncaa ggtgttcgaa 420

atccgcacca ctgatgacct cactgaggcc tggctccaag aaaagttgtc tttctttcgt 480

tgatctctgg gctggggann nnnnnnnnnn nnctgagtc ctcaaggtga ctggggact 539

119

<210> 188  
<211> 578  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35280\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 146..275, 295..299, 303  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (431)..(500)  
<223> n is a, g, c or t

<400> 188  
gatgcgcatc aatgtatattt atcttatattt ctcaatctcc tctctctttc ctccacccat 60  
aataagagaa tgttcctact cacacttcag ctgggtcaca tccatccctc cattcatcct 120  
tccatccatc ttccatcca ttaccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntaaat ttaaacttac aaacnnnnnt 300  
tgncacaagt ggtgtttatt gcaataaccg cttggtttgc aacctctttg ctcaacagaa 360  
catatgttgc aagaccctcc catgggggca cttgagtttt ggcaaggctg acagagctct 420  
gggttggtgca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480  
nnnnnnnnnn nnnnnnnnnn taacaccagt gggaattgct ggaggaacca gaggcacttc 540  
caccttggtt gggaagacta tgggtgctgcc ttgcttct 578

<210> 189  
<211> 139  
<212> DNA  
<213> Homo sapiens

120

&lt;220&gt;

&lt;223&gt; Probe 35281\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (39)..(76)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 189

ataagcaact tcacagaaca cgagacagct tgggaatcnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnngaca gttttaagca gaggaataac atcaccactg tatatttcag 120

aaagatcact agggcagcc 139

&lt;210&gt; 190

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35320\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 203, 204, 207..219, 224..228, 231, 233, 234

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 238, 240, 241, 243, 245..248

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 190

gttcttggtc ttcttaaagt tgacatgaaa taattgtgct gctacattat actggaaatt 60

aacaggggaa aagggaagag ctcttggtc ccttgagggt ctgctagtgg tgtaggagt 120

ggttacaact gagcttttag taaccattta accgtatgta aacttggtt ctaattaaaa 180

aaaaatttct ttttccaaaa aannaannnn nnnnnnnnt taannnnnaa ntnntttntn 240

nanannnta caacaacttt gatacaaaaa tactgaaaca gcaactacca cctggaatgg 300

121

cacactaagt ccacactggt aggattttct ccttagaaaag

340

&lt;210&gt; 191

&lt;211&gt; 517

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35350\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (305)..(308)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 191

taatgagggt cctccgctct ggacacaacc cttttataga ttaatttctc tgccaattaa 60

cttgatcattt tcagtacata ttttactatt ccacaccaac cataattaca acaagggatt 120

tttcttatgc actcctatgc atgtgaataa catgtggtgt aattctgctt cttacagaag 180

tattactgaa ggtattattt ccaatattat ttgggttatt atgcggatct tttttatata 240

tgagtcacca tcccttctgt gccactcaat gccatccaga catgggtttt ccctccaggg 300

gcctnnnnntc tccagagggc acttcggctg cctctgcttc ctctcattcg aggcccggct 360

cttgctgaca gaataggttc cgttctgggc ggtggttctc gagcctgcca ttcaaaacca 420

aagcaaattg gagcatttct cacaacatgg tattgaagtt cttttttggt ctcaaaagtt 480

gtgaccgtgt taaattgtac tcccttagtc ctgtaag 517

&lt;210&gt; 192

&lt;211&gt; 518

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35366\_at HG-U95Av2

122

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 122, 136, 144, 155, 168, 180, 186, 204, 213

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 192

aatggtacat tttgccaaag accacttata cttgagaaca tggaagaatt tgcctgatac 60

tctcttttggg gaaaagagtc tctcctcttt tcctcaaacc ccagtacact cagcctctct 120

gnccccaact tctccntgac tttngtcctc acttngcttc tgcagtanca ttggaacctn 180

gaattingaaa gaaagtcttc cttngaataa ttnggagttt gtcttgagag gcaaataatag 240

ccccaagaat cacaagattc gaggaccatg taggtctttt acgtagccca aatccataaa 300

ttagtctcac tttttgtatt tatcgtttca tattaaaccc tctatatcaa atgttcatca 360

tgattttgta tgatttttat aactatttta ttcattttat tagatttatt ctaaaatttt 420

ttaatggtaa attcttaaac tgtggaaacc actgaagggtg cttattaact gttctcccag 480

atttgtacaa gtattggatg attccttgag tttacagc 518

&lt;210&gt; 193

&lt;211&gt; 426

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35367\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 84, 131, 134, 148, 197, 205..297

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 193

acaattcttg gcacggtgaa gcccaatgca aacagaattg ctttagattt ccaaagaggg 60

aatgatgttg ccttccactt taancccacg cttcaatgag aacaacagga gagtcattgt 120

ttgcaataca naangctgga taataacntg gggaaggga gaaagacagt cggttttccc 180

123

atttgaaagt gggaaaacca ttcannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa 300  
atcagcaaac tgggaatttc tggtagacata gacctcacca gtgcttcata taccatgata 360  
taatctgaaa ggggcagatt aaaaaaaaaa aaagaatcta aaccttacat gtgtaaaggt 420  
ttcatg 426

<210> 194  
<211> 386  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35372\_r\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (71)..(71)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (182)..(182)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (271)..(285)  
<223> n is a, g, c or t

<400> 194  
tatttgtgca agaatttgga aaaatagaag atgaatcatt gattgaatag ttataaagat 60  
gttatagtaa ntttatttta ttttagatat taaatgatgt tttattagat aaatttcaat 120  
cagggttttt agattaaaca aacaaacaat tgggtaccca gttaaatttt catttcagat 180  
anacaacaaa taatttttta gtataagtac attattgttt atctgaaatt ttaattgaac 240

124

taacaatcct agtttgatac tcccagtctt nnnnnnnnnn nnnnngttgg tagtgctgtg 300  
ttgaattacg gaataatgag ttagaactat taaaacagcc aaaactccac agtcaatatt 360  
agtaatttct tgctggttga aacttg 386

<210> 195  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35396\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 75..80, 85..87, 90, 178, 180  
<223> n is a, g, c or t

<400> 195  
aaatcctgcc caaaatgtga agcttggttg actgatgttc atgatagaaa gaataaaatg 60  
tttctctctc tctannnnnn aaaannnaan agtttatctt tgtgaaagaa gtatttaaac 120  
tttcaatatt ttaacttttt gtttttatct cttttagaaa aggccaatat acctatcncn 180  
ctttggaagt aaaaatacac actttcgtgt gtacctaaaa aaaaaatcgt tgaaaatcaa 240  
ggccaaagggt agtgcaatct tttcattaag atttaaaaaa aagggaatga tagtctttga 300  
aagaaaacag taggcatcca gcaactggaca aaacatgggt atcaaagatg aataatcttt 360  
ggagattctg gcagtgtttt ccagaacaa gtcaag 396

<210> 196  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35410\_at HG-U95Av2



125

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (141)..(157)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (233)..(249)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 196

```
ccctaggatg ctatttaagt tgtactgtat tagaacactg ggtgtgtcat accgttatct      60
gtgcagaata tatttcctta ttcagaatct ctaaaaatct aagttctgta agggctaata      120
tattctcttc ctatgggttt nnnnnnnnnn nnnnnnntta gtatggcata atgtcatgat      180
ttactcatta aactttgatt ttgtatgcta ttttttcact ataggatgac tannnnnnnn      240
nnnnnnnnnt atacacttta gatagatgaa gaagcccaa aacagataaa ttcctgattg      300
ctaatttaca tagaaatgta ttctcttggt tttttaata aaagcaaaat taacaatgat      360
ctgtgctctg aaagttttga aaatatattt gaacaatttg aatataaatt catcatttag      420
tcctcaaaat atatacagca ttgctaagat tttcagatat c                          461
```

&lt;210&gt; 197

&lt;211&gt; 587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35414\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 74, 90..94, 99..131, 146..148, 151, 153, 156

&lt;223&gt; n is a, g, c or t

126

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 158, 453..467, 474..489

&lt;223&gt; n i s a, g, c o r t

&lt;400&gt; 197

```

gccttctact ggtgcctgcg gaagcggcgg aagccgggca gccacacaca ctcagcctct      60
gaggacaaca ccancaacaa cgtgcgggan nnnntgaann nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn ncaacacggt ccccanngag nantangnga acaagttgag ctatgactta      180
acatagccaa aatgtgagtg gttgaatatg attaaaaata tcaaattaat tgtgtgaact      240
tggaagcaca ccaatcttac tttgtaaatt ctgatttctt ttcaccattc gtacataata      300
ctgaaccact tgtagatttg attttttttt ttaatctact gcatttaggg agtattctaa      360
taagctagtt gaatacttga accataaaat gtccagtaag atcactgttt agatttgcca      420
tagagtacac tgctgcctt aagtgaggaa atnnnnnnnn nnnnnnaag ttcnnnnnnn      480
nnnnnnnnna taaaacagag taatcttggt gggtcaccat tgagaccgtg aagatacttt      540
gtattgtcct attagtgtta tatgaacata caaatgcac tttgatg                        587

```

&lt;210&gt; 198

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35628\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 29, 44, 53, 62, 75, 226, 308..333, 417

&lt;223&gt; n i s a, g, c o r t

&lt;400&gt; 198

```

gcctctgtca tctgcctcat caatgctant gggtactaca tctnccgtgg ggnccgaattc      60
cnagaaaaac acttnccgaa agaatccttc tgaccccaga gtggctgggc ttgagacccat      120

```

127

ctctacagcc acagggcgga aactgctggt gtctgggtgg tggggtatgg tccgccatcc 180  
caactatctt ggagacctca tcatggctct ggcttggtcc ttgccttgcg ggggtgtcaca 240  
cctgctgccc tacttctacc tcctctactt caccgcgctg ctggtgcacc gtgaggcccg 300  
ggatgagnnn nnnnnnnnnn nnnnnnnnnn nnnngcctgg caggagtact gccggcgtgt 360  
gccttaccgc atcatgccct acatctactg aagcggctcc accaccccag gtggggncat 420  
gtgcccactc atccaccagc acaccagga ccaggagcct cgacacactt gggactcaag 480  
ggcttgcacc ccaccagcc ctgaggatga acaacctcag 520

&lt;210&gt; 199

&lt;211&gt; 304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35638\_at HG-U95Av2

&lt;400&gt; 199

tcacttttgc aagttccaca gagtaagaca ttgggtctat tccagctcat tcattttata 60  
ttgaaaaaaaa taatttttaa aatggtggct tcagctccag cccctttcca aaatttttca 120  
acccaccct gtttggattt ttaattaaaa actagtagtt ctcttggtgt taaaacactt 180  
ctgtcctgtg aggtttccca atggtgtttt tcttgtaa atgttggtgaca aatgtgaaga 240  
tgcattgtag ttttaaccata tgcccacatt tagtctcttt attcctagtt ggtgagaaac 300  
ctgt 304

&lt;210&gt; 200

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35664\_at HG-U95Av2

128

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 55..75, 79, 84..87, 93, 113..116, 129..131, 147, 273

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 200

```

gtacactcaa gtctaagaat atatgagtgg atcatttacc gcccccgcc ccacnnnnnn      60
nnnnnnnnnn nnnnngtcnt tttnnnnaat aangtattct tctatggtag tannnncccta    120
cagatctggn ncccttcttc ttctaanggg taagtcataa tctgtgtaat actacaattt      180
atgggatgct cactatgccc tgtttctctt ctaaacaatt tacatgtaat gtctcattcc      240
tcacaataac ccttgtaaag tgggcatgat tanccatgat ttttatagtt gaagaacctta     300
agacacagag accaaggccc atgagctcat agggctgagg caggatttgg aatcaggcca      360
tgtcttctcc agagcccaca tccatccttt ctctatattg cctcccacag atgtgctaaa     420
atttatttaa ctaatccttt atcctctatt tgtgttgtct cccatttttt attattacaa     480
tattactgtg gtgaacatgc                                                    500

```

&lt;210&gt; 201

&lt;211&gt; 494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35666\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 33, 35, 45..54, 168, 203..257, 304, 306, 348..362, 427

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 201

```

gaagaagggg ccatcacagg atgccacccc tgnontgggt tgggnnnnnn nnnncacgac      60
cagccccttc ctgggtatatt attctctatt tattggggat aggagaagag gcatcctgcc    120
tgggtggggac agccccttca gcccccttct ccctccccgc ctggccangg cagggccacc    180

```

129

ccactctacc tccttagctt tcnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnaga gctgacggga ggccccagct ctgaggggag ggggtccgtg 300  
gtanangcct ggggccggtg gaggtcccc agggctccct tatgtccnnn nnnnnnnnnnn 360  
nnggggtgtg atgtaattag ctctgggggg cagttgggta gatgggtggg ggctcctggt 420  
ggccttntgc tgcccaggcc acagccgcct ttgggttcca tcttgctaataaacactggc 480  
tctgggacta gaaa 494

<210> 202  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35702\_at HG-U95Av2

<400> 202  
aggaatgtgc cctggagatc atcaaagggg gagctctgcg ccaagaagaa gtgtattatg 60  
acagctcact ctggaccact cttctgatca gaaatccatg caggaagatc ctggaatttc 120  
tctactcaac gagctataat atggacagat tcataaacia gtaggaactc cctgagggtc 180  
gggcatgctg agggattttg ggactgttct gtctcatgtt tatctgagct cttatctatg 240  
aagacatctt cccagagtgt ccccagagac atgcaagtca tgggtcacac ctgacaaatg 300  
gaaggagttc ctctaacatt tgcaaaatgg aaatgtaata ataatgaatg tcatgcaccg 360  
ctgcagccag cagttgtaaa attgt 385

<210> 203  
<211> 534  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35724\_at HG-U95Av2

130

<220>  
 <221> misc\_feature  
 <222> (79)..(79)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (164)..(164)  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> (405)..(438)  
 <223> n is a, g, c or t

<400> 203  
 atttcaaatt ggacccagga gccaaacatt cccaacctat ccctaaaggg tggacaagct 60  
 tcatttacac gatattctgna gatgtgtata ttggggccga tgatgcacaa caaaaaatag 120  
 aacctcatca cacagcagtg cttggagaag gtgacagtgt ccangtggag aacaaggatc 180  
 ccaagagaag ccactttgtc ttaattgctg gggagccatt aagagaacca gttatccaac 240  
 atgggtccatt tgtgatgaac accaatgaag agattttctca agctatttctt gatttcagaa 300  
 acgcaaaaaa tgggtttgaa agggccaaaa cctggaaatc aaagattggg aactagtgga 360  
 aagcggaaga gcaggtcttg atgtgtccta gaattttgcc attnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnaa gcttatttag ccggtgcttc taaagaattc cacactaacg 480  
 tgataacatg gtttttgtaa caataaatgt aggatatttc ctggcacatg caaa 534

<210> 204  
 <211> 553  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 35735\_at HG-U95Av2

131

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 37, 74, 86, 199..214, 490

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 204

```

acacggtcta tgagcaataa tgtgatttct ggacatngcc catgtataat cctcactgat      60
gatttcaagc taangcaaac cacctnatac agagatctag aatctcttta tgttctccag      120
aggaaggtgg aagaaaccat gggcaggagt aggaattgag tgataaaciaa ttgggctaata      180
gaagaaaact tctcttatnn nnnnnnnnnn nnnnattata acttcaatgg gacacttttag      240
accattagac aattgacact ggattaaaca aattcacata atgccaaata cacaatgtat      300
ttatagcaac gtataatttg caaagatgga ctttaaaaga tgctgtgtaa ctaaactgaa      360
ataattcaat tacttattat ttagaatggt aaagcttatg atagtctttt ctaattctta      420
acactcatac ttgaaatctt tctgagtttc cccagaagag aatatgggat tttttttgac      480
atTTTTgacn catttaataa tgctcttggt tttacctagt atatgtagac tttgtcttat      540
gtgtcaaaag tcc                                                                553

```

&lt;210&gt; 205

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35766\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26, 166..168, 300..336

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 205

```

tgaggagagc accacagtgg tcaccnacac agtctgctga ggttggagct gctgagacga      60
cgctcacaga gctgagacgt acagtccagt ccttggagat cgacctggac tccatgagaa      120

```

132

atctgaaggc cagcttgag aacagcctga gggaggtgga ggcccnnta cgcctacag 180  
atggagcagc tcaacgggat cctgctgcac cttgagtcag agctggcaca gaccgggca 240  
gagggacagc gccaggccca ggagtatgag gccctgctga acatcaaggt caagctggan 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggcg aggactttaa tcttggtgat 360  
gccttgga gcagcaactc catgcaaacc atccaaaaga ccaccacccg ccggatagtg 420  
gatggcaaag tgggtgtctga gaccaatgac accaaagtgc tgaggc 466

&lt;210&gt; 206

&lt;211&gt; 559

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35803\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 30, 31, 106..110, 112..117, 119..195

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 201..256, 425..441

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 206

gtgtcattgc taaaacctca ctgaacagan ngcagccaag gtctgtgttc agcacttggt 60  
ctctgttggt acgtaaaata ataagcattt aaaatagttt acagannnnn tnnnnnngnn 120  
cnnttnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt nnnnnnnnnn 180  
nnnnnnnnnn nnnnnctttc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnntggc aggagagatt aaggtaatta caacactcag ttctatgtct 300  
tacaagcact ttgtcttgct tctgcaagaa aattcgattc cagtcatttc ccataaaata 360  
cagacatttt accaacataa tatgctttga ttgatgcagc attatgcttt gggcagtatt 420



133

acaannnnnnn nnnnnnnnnn nttctgtatt taaatattgt aaaaagaaaa taagttataa 480  
 ctgttataaa gcagaacttt tgttgcattt tttaaactgt tgaagtcact gtgtatgttt 540  
 gtttgggtcaa tgtttccgc 559

<210> 207  
 <211> 542  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 35822\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 31, 55, 66, 72, 97, 99, 176, 229, 273, 286  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> 298, 308, 323..386, 458, 459  
 <223> n is a, g, c or t

<400> 207  
 ggccagacta tcaggcccat ttgtctcccc ntgcaccgag ggaacaactc gagcntttga 60  
 ggcttncctc cnaactacca cttgccagca acaaaangna agagctgctc cctgcacagg 120  
 atatcaaagc tctgtttgtg tctgaggagg agaaaaagct gactcggaag gaggtntctac 180  
 atcaagaatg gggataagaa aggcagctgt gagagagatg ctcaatatng ccccaggcta 240  
 tgacaaagtc aaggacatct cagaggtggt canccctcg gttcentttg tactggangg 300  
 agtgagtncc ctatgctgac ccnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnnn nnnnnnnnnn nnnnnnttca agttgggtgta atcagctggg gagtagtgga 420  
 tgtctgcaaa aaccagaagc ggcaaaagca ggtacctnnt cacgcccagag actttcacat 480  
 caacctcttt caagtgtgctc cctggctgaa ggagaaactc caagatgagg atttgggttt 540  
 tc 542

134

<210> 208  
<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35824\_at HG-U95Av2

<400> 208  
tgaaaatggc cttggagcat tatctttagt tacttgaaga gtttctagtt tttttaaaat 60  
acagtttatg ttaaaataat ttttattaat ttagagaaga caatcaatgt ctgtgagaaa 120  
acggactttc ttttggattt tctttttgtg gtcattgtga gtgattgctt tttccttttc 180  
ttagtttcac attcttcctt tgttctaaaa cttagactga catctagctt tgacaatcat 240  
agtatgtttt attttcctga gggggaataa cttataatgc tgtttagttt tgtactattg 300  
gtgtgttggt gaatttttaa actgtgtgct aactgcaata aatt 344

<210> 209  
<211> 537  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35844\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 63..78, 239..241, 263, 264, 267, 268, 270  
<223> n is a, g, c or t

<400> 209  
tacagtaacc acatgcggct gtttaaagtt aagccaatta aaatcacata agattaaaaa 60  
ttnnnnnnnn nnnnnnnnta accacgtttc tagaggcgtc actgtatgta gttcatggct 120  
actgtactga cagcgagagc atgtccatct gttggacagc actattctag agaactaaac 180  
tggcttaacg agtcacagcc tcagctgtgc tgggacgacc cttgtctccc tgggtagggn 240

135

nggggggggaa tggggggaggg ctnnatnngn cccagctgg ggctgttgt ctgggaccct 300  
ccctctcctg agaggggaggg cctggtggct tagcctgggc aggtcgtgtc tcctcctgac 360  
cccagtggtg gcggtgaggg gaaccaccct cccttctgtc accagtggcc attagctccc 420  
gtcaccactg caaccaggg tcccagctgg ctgggtcctc ttctgcccc agtgcccttc 480  
cccttgggct gtgttggagt gagcacctcc tctgtaggca cctctcacac tgttgtc 537

&lt;210&gt; 210

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35938\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (82)..(82)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 210

aggcagtttg caatcccatg acaactggat ttaaaagtac agtacagata gtcgtactga 60  
tcatgagaga ctggctgata cncaaagttg cagttactta gctgcatgag aataatacta 120  
ttataagtta ggttgacaaa tgatgttgat tatgtaagga tatacttagc tacattttca 180  
gtcagtatga acttcctgat acaaagttag ggatatatac tgtattttta aacattttctc 240  
accaactttc ttatgtgtgt tctttttaaa aatttttttt cttttaaaat atttaacagt 300  
tcaatctcaa taagacctcg cattatgtat gaatgtta 338

&lt;210&gt; 211

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35966\_at HG-U95Av2

136

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 335, 337..345, 424..466, 471, 472, 474, 483..486

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 211

ccatttttaa gaagaggtgt tccagttctg catctgatac cgtctccttt ccttgaagtc 60

tggcacacca tggatgacaa tgaagaaaat ttggatgaat caaccattga caatctaaac 120

aaaatcctac aagtctttgt gttggaatat cttcatttgt aatactctga tttagtttag 180

gataattggg tctagaattg aattcaaaag tcaaggcatc atttaaaata atctgatttc 240

agacaaatgc tgtgtggaaa catctatcct atagatcatc ctattcttat gtgtctttgg 300

ttatcagatc aattacagaa taattgtgtt gtganannnn nnnnnaaatt gtcattaat 360

ttttatttac agattgaaaa agaggcaccg tgtaaagaaa atggcaaaat aaatatcttt 420

ccannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnggaa nnangtagcc 480

ttnnnnatth tatgattttt tcatatgtgg aaatctatta catgtaatac aaaacaaaca 540

tgtagtttga aggcgggtcag atttctttga gaaatc 576

&lt;210&gt; 212

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35992\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 28, 29, 31..47, 49, 53, 56, 62, 66, 68, 151, 152

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 154..184, 229, 335, 348, 349, 353, 354

&lt;223&gt; n is a, g, c or t

137

<400> 212  
tggagacaca cttcccagat caccgcanng nnnnnnnnnn nnnnnnnngnt ctnggncggt 60  
cnggentncc tgccgggtgg cttcttcaat cccgtctcct tcccaagctc ccggcttttt 120  
ctaactcaggc aggcgtctgt caaccctctc nncnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnntgcgcc aacctgtgtg gggctcttctt cgggcctccc tctccgccnc gctcctgctc 240  
ctacctgcag cacccccagc tccgactcca gactctctgc atcaggctctc cccaactccac 300  
gctccggggc ccccaactcc aacaccacgt cctgncgcgc aggttctnnc ccnngcggag 360  
gagcgcgcag ggtgggcggc ttaccatagc aagtgatcct gcgataggga acgcgccctt 420  
gccccgaggc tgcactacca caggaaataa c 451

<210> 213  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36057\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (91)..(140)  
<223> n is a, g, c or t

<400> 213  
aaattctgat tggttatgta ccgtcaaaag acttgaagaa atttcatgat tttgcagtgt 60  
ggaagcgttg aaaattgaaa gttactgctt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn aatgtatcat ccagagtgat gttatctgtg acagtcacca 180  
gctttaagct gaaccattht atgaatacca aataaataga cctcttgtac tgaaaacata 240  
tttgtgactt taatcgtgct gcttgatag aaatattht actggttctt ctgaattgac 300  
agtaaacctg tccattatga atggcctact gttctattat tt 342

138

<210> 214  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36059\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 90..107, 115..140, 259..273, 275..277, 388, 390, 404  
<223> n i s a, g, c o r t

<400> 214  
gaaggatcctt attgcacttg ggctgttcag aatgtagaaa ggacatattt gaggaagtat 60  
  
ctatttgagc actgatttac tctgtaaaan nnnnnnnnnn nnnnnntaa actannnnnn 120  
  
nnnnnnnnnn nnnnnnnnnn tgtaatgggt ttaacgttac tcactggaga gattggactt 180  
  
tctggagtta tttaaccact atgttcagta ttttaggact ttatgataat ttaatatataa 240  
  
tttagctttt cttaatcann nnnnnnnnnn nnnannnatg actaatcctg cacctgctct 300  
  
gtctggcaga cccatgctgt ggaaaacctg cttacagaca tcacttttaa gtcctttgtg 360  
  
gatgtgggca cagtgaagag caataaanan tgtgagggtc ctgntggagt tttcagctca 420  
  
tctggagaag acagggtcgaa ggccagagtt ccttgactga tgaaaccttt atttcctctg 480  
  
gaagaaggaa tgggtagatg ggggttcctc ttgagttgc 520

<210> 215  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36065\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (46)..(46)  
<223> n i s a, g, c o r t

139

```

<400> 215
ggcccagcaa ggtaatttat ggttgagctg atgtcaattg gttctngtct tgagtcgact      60
caatttagcc caagtgctga aacaagaaat gtcatttttt tcatcaaaga caccagggca      120
gatttttaag taaagaaaga caattggacc cttaagaatt tatgcatttg taaagttgct      180
gttgatccaa atattttcaa gccatgtaat ccattggttt tgtgggcagt ttaataaacc      240
tgaacctttg tgtgttttct aattgtacct gagttgacca tcctttcttt ttatagtata      300
tttcttgat gatattttgt aaagctctca cctggttcct ttatggggac ttttcgtttt      360
tgggcaactc cagtgtatth atgtgaaact ttataagaga attaattttt ccatttgcac      420
attaatatgt tcctccacac atgtaaaggc acagtggctc cgtgtg                        466

```

```

<210> 216
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Probe 36103_at HG-U95Av2

```

```

<220>
<221> misc_feature
<222> 65..80, 202, 204, 215, 216, 218, 229..253
<223> n is a, g, c or t

```

```

<400> 216
agcaggagcc tgagccttgg gaacatgcgt gtgacctcca cagctacctc ttctatggac      60
tggtnnnnnn nnnnnnnnnn cactgtggga ctcttcttaa cttaaatttt aatttattta      120
tactatttag tttttgtaat ttattttcga tttcacagtg tgtttgtgat tgtttgctct      180
gagagttccc ctgtcccctc cncnttcctt cacannngnt ctggtgacnn nnnnnnnnnn      240
nnnnnnnnnn nnngtaggca gtcattggcac caaagccacc agactgacaa atgtgtatcg      300
gatgcttttg ttcagggctg tgatcggcct ggggaaataa ta                        342

```

140

<210> 217  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36149\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 130..144, 254, 255, 273..275, 280..288, 323, 419, 423, 428  
<223> n is a, g, c or t

<400> 217  
tgggcagcca gcattcattg taagttccct ctttgaaaac tgggtgtgtgg gtgttcagtt 60  
ctgtgtcttg tgggtatgga cagacagtaa tctcctgtga tctgtgctag ctgtgaggca 120  
gctctggaan nnnnnnnnnn nnnnggtttg aaccgtgaac aaaactgtgt ttgagttta 180  
gctgacatta aagaaaaaag ttcatcacgt gactgttaat gtaaacctgg ttattaaaat 240  
aactatgaaa ttannaaaaa aaaaaaaaaa aannnaaaan nnnnnnnnat ttaaaacagg 300  
agaaatctgg taagttgtta ggnttctaaa ttccttttag tctgttcact gagatattaa 360  
atttcagtag acagaacca aaaagagatt tcatttcttt ctaatcactt tggcttctnt 420  
ctnttttntt aagtaggtaa aaaccttcct tgggtgggcac ctaagcagga tgcagccaat 480  
tagttcatga acccagctgc gga 503

<210> 218  
<211> 455  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36156\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 194..224, 343, 411, 412  
<223> n is a, g, c or t



141

<400> 218  
 taagtccttt caattccacc agggccagag cagctccacc actgtgcact tagccatgat 60  
 ggcaacagaa accaagagac acaattacgc aggtatttag aagcagaggg acaaccagaa 120  
 ggcccttaac tatcaccagt gcatcacatc tgcacactct cttctccatt ccttagcagg 180  
 aactttctagc tcannnnnnn nnnnnnnnnn nnnnnnnnnn nnnntttcag ctagacaatg 240  
 atttggccag gcctagtaac caaggccctg tctctggcta ctccctggac cacgaggctg 300  
 attcctctca tttccagctt ctcaagtttct gcctgggcaa tgnccagggg ccaggagtgg 360  
 ggagagttgt gatggagggg agaggggtca caccacccc ctgcctgggt nntaggctgc 420  
 tgcacaccaa ggccctgcat ctgtctgctc tgcat 455

<210> 219  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 36175\_s\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> 30, 53, 54, 57, 154, 195, 223, 232  
 <223> n is a, g, c or t

<220>  
 <221> misc\_feature  
 <222> 242, 253, 263, 485, 486, 488  
 <223> n is a, g, c or t

<400> 219  
 tagagcttgg ttatcggccg gcccgggtggn ttggcaggca gtgctgtgcg ctnntcnatg 60  
 gagaagacct gggcttagca atctccttag ttcttgctac acaggatggg gactggaact 120  
 aaggctacac agaggggtcgc acttggaactc tganggttgg gtgtggaagg gggaaaaggg 180  
 gatggagacc tgctncccca gctcttcctg tcagccggtt tancatggga ancagggtta 240

142

ancatctgtg ttnaggggag gtncacotta ccctttttca taggggaaga gtgtcacact 300  
 cctggctatc tcagggggaa tggggaaaag aatctttcaa gggcaaagaa ctctgtgggag 360  
 gatgtctgtt gtatgtaata ctacacaatgg cttttggtta gtgttgaagg tgggaagagc 420  
 atttgtaggt ccagaagagt gaaagagagg gaggggtgca gcaacatgtg cacaggcacg 480  
 cacanntntg cacgcacaca tacaatctgg gttatctttg tgctat 526

&lt;210&gt; 220

&lt;211&gt; 594

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36215\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 53, 117, 353..375, 480..507

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 220

gtctgatcga tcatgcagat acaatgttgg tatttgagag gttagttttt ttnoctacac 60  
 ttttttttgc caactgactt aacaacattg ctgtcaggtg gaaatttcaa gcacttntgc 120  
 acatttagtt cagtgtttgt tgagaatcca tggcttaacc cacttgtttt gctatttttt 180  
 tctttgcttt taattttccc catctgattt tatctctgcg tttcagtgac ctaccttaaa 240  
 acaacacacg agaagagtta aactgggttc attttaatga tcaatttacc tgcatataaa 300  
 atttattttt aatcaagctg atcttaatgt atataatcat tctatttgct ttnnnnnnnn 360  
 nnnnnnnnnn nnnnnaacac cacttctttt catctgtacc acaccctggt gaaaccttg 420  
 aagacataaa aaaaacctgt ctgagatgtt ctttctacca atctatatgt ctttcgggtn 480  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngta aatgctgata ttgatttcac tgggtccatct 540  
 atatttaaaa cgtgcaagaa aaaaataaaa tactctgctc tagcaagttt tgtg 594

143

<210> 221  
<211> 268  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36227\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (220)..(241)  
<223> n is a, g, c or t

<400> 221  
taccaaaacc agtgaagtgt aagaaacca gactgaactt accgtgagcg acaaagatga 60  
tttaaaaggg aagtctagag ttcttagtct ccctcacagc acagagaaga caaaattagc 120  
aaaaccccac tacacagtct gcaagattct gaaacattgc ttgaccact cttcctgagt 180  
tcagtggcac tcaacatgag tcaagagcat cctgcttctn nnnnnnnnnn nnnnnnnnnn 240  
ngtttaaggt gacccaatga ttcagcta 268

<210> 222  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36233\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (64)..(65)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (206)..(232)  
<223> n is a, g, c or t

144

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (296)..(297)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 222

ctgaaaccaa gaaggatctg tatgaaccca ctcatggggg caaggtcttg agcatggccc 60  
ctgnnctcac ctctgtggaa atcattccat tccgagtggc tgccataaac aaagccaaaa 120  
aagccatgga cttctatgat ccagcaaggc acaatgagtt tgacttcac tcaggaactc 180  
gaatgaggaa gctcgcccgga gaaggnnnnn nnnnnnnnnn nnnnnnnnnn nccccaaag 240  
catggaaggt cctgacagat tattacaggt ccctggagaa gaactaagcc ttggnncca 300  
gagtttcttt ctgaagtgt ct 322

&lt;210&gt; 223

&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36314\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 49, 156, 162..177, 285..369, 438

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 223

aacttctccc ggtgcctgga gctgcagtgt cagcccgact cctcaacct gccaccccca 60  
tggagtcccc ggcccctgga ggccacagcc ccgacagccc cgcagccccc tctgctctc 120  
ctactgtctg tgcccgtggg cctcctgctg ctggcngctg cnnnnnnnnn nnnnnncag 180  
aggacgcggc ggaggacacc ccgccctggg gagcaggtgc ccccgtccc cagtccccag 240  
gacctgtctg ttgtggagca ctgacctggc caaggcctca tcctnnnnnn nnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

145

nnnnnnnnnc ccttccttgg gccctctca ttccctcccc agaatggagg caacgccaga 420  
atccagcacc ggccccantt acccaactct gtacaaagcc cttgtcccca tgaaattgta 480  
ta 482

<210> 224  
<211> 509  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36344\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (94)..(125)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (259)..(259)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (348)..(376)  
<223> n is a, g, c or t

<400> 224  
tttgctgag cagctcttgg tgggagacat gttcaattac ttctctcttc tggccattgg 60  
ggtctttctg ttccagcct tcctcacagc ctcccccccc nnnnnnnnnn nnnnnnnnnn 120  
nnnnncttct gccatggatg aaaactcaga gaagaaaagg aagagggcca tcaaactcat 180  
tgtcactgtc ctggccatgt acctgatctg cttcactcct agtaaccttc tgcttgtggt 240  
gcattatttt ctgattaana gccagggcca gagccatgtc tatgcctgt acattgtagc 300  
cctctgcctc tctaccetta acagctgcat cgacccttt gtctattnnn nnnnnnnnnn 360

146

nnnnnnnnnn nnnnnngcaa agaacgctct cctttgccga agtgtccgca ctgtaaagca 420  
gatgcaagta tccctcacct caaagaaaca ctccaggaaa tccagctctt actcttcaag 480  
ttcaaccact gttaagacct cctattgag 509

<210> 225  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36345\_g\_at HG-U95Av2

<400> 225  
tgttaagacc tcctattgag ttttccaggc cctcagatgg gaattgcaca gtaggatgtg 60  
gaacctgttt aatgttatga ggacgtgtct gttatttcct aatcaaaaag g 111

<210> 226  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36377\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (138)..(178)  
<223> n is a, g, c or t

<400> 226  
ggcgaaagat atctctccat tgtgcatctg cctcttttga cgttggaaga cacatgtctt 60  
actccccaaa gggagcccag cactgggagc cttcttgatg atctcaaaaa taatagctat 120  
tcaagaaaat caccaagnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntg 180  
ggagcaacat gaatgttcta caaaagttta aagcagagat tgtttcaaata ggggtgtagta 240  
gatattactg aaaacaaaaa aagagtgaga ttgtcagtg aagaatgtga tttaatgttt 300

147

gtagtgctta caattttgtg taccaactgg atgactaaaa agagtaaaat aatttaatta 360  
atagctcata ttttatgtgt gaaaacatgt tagtgaacat atataatcaa aatagatttc 420  
attgctattg catagtc 437

<210> 227  
<211> 82  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36445\_at HG-U95Av2

<400> 227  
cagtacttct ggacatgctc tggaggagaa agattgggcc tcagatgacc ctttctcatg 60  
ctgcaggatt ccatgctact ag 82

<210> 228  
<211> 290  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36543\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (134)..(151)  
<223> n is a, g, c or t

<400> 228  
gggtgcattt ctaggacttt tctaacatat gtctataata tagtgtttag gttctttttt 60  
ttttcaggaa tacatttgga aattcaaaac aattggcaaa ctttgtatta atgtgttaag 120  
tgcaggagac attnnnnnnn nnnnnnnnnn nctaatatgc ttacaatct gcaactttaac 180  
tgacttaagt ggcattaaac atttgagagc taactatatt ttataagac tactatacaa 240  
actacagagt ttatgattta aggtacttaa agcttctatg gttgacattg 290

148

<210> 229  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36550\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (284)..(304)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (316)..(336)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (36)..(36)  
<223> n is a, g, c or t

<400> 229  
ggaaccacct atgcttaaaa tactgtaaat atgcantgag gtttggcaaa atctattcca 60  
tgtgtgattt gcttgtagaa acaattttga aagccccttg aggaaaataa aaatcaagaa 120  
gaacactttt ctcccttttc catacaaatt aaaacttaac agcatcaa atattgggacc 180  
agaaaccaag taatgtataa tgtggctttt gttgagttaa ataagatgct atataatgga 240  
gaagaatttg aaaatgcaca aaaaaatcaa tctacattat cagnnnnnnn nnnnnnnnnn 300  
nnntatggtt aaatannnnn nnnnnnnnnn nnnnnnaact atgagggtct tgtatccacg 360  
taacacaggt agttacaaaa acatgttatt gtactgtgta aagatgcata gtcattctcat 420  
ttggttggtt ttgtaccttg tacctttttt agccttggtt tttgttgaac tagaaccttc 480  
agca 484



149

<210> 230  
<211> 145  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36564\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (57)..(82)  
<223> n is a, g, c or t

<400> 230  
gcaccgagcc caagtgccca tatgaacctc tctgccctag ccgagggaca aactgtnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnagagtatg aagtggaaatg aatgctcctg ttctgagaag 120  
cacacttgta actgcatctt ttgga 145

<210> 231  
<211> 566  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36578\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (230)..(248)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (339)..(371)  
<223> n is a, g, c or t

<400> 231  
tatgccagga atgtgccctt tctctaagaa aatgccctat ttgcaggggt ataataagg 60  
gtactgttcg tacatttctc tcttaaagaa aaatagtcta tattttaacc tgcataaaaa 120

150

ggctctttaaa atattgttga acacttgaag ccatctaaag taaaaagga attatgagtt 180  
tttcaattag taacattcat gttctagtct gctttggtac taataatctn nnnnnnnnnn 240  
nnnnnnnntc atatatttaa tcttaatctg tttatttaca aggaagatt tatgtttggt 300  
gaactatatt agtatgtatg tgtacctaag ggagtagtnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nactggattt gttgttcttt cagaaagctt tgaatactaa attatagtgt 420  
agaaaagaac tggaaaccag gaactctgga gttcatcaga gttatggtgc cgaattgtct 480  
ttggtgcttt tcacttgtgt tttaaaataa ggatttttct cttatttctc ccctagttt 540  
gtgagaaaca tctcaataaa gtgctt 566

&lt;210&gt; 232

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36600\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 34, 89, 173..187, 357..395, 399..415

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 232

cagatacctc ggattgagga tggttaacaat tttnggagtg gctgtccagg agaaggtgtt 60  
tgagctgatg accagcctcc acaccaagnc tagaaggctt ccacactcaa atctctaagt 120  
atttctctga gcgtggtgat gcagtgacta aagcagccaa gcagcccat gtannnnnnn 180  
nnnnnnngct ggtgcacgag ctggatgagg cagagtaccg ggacatccgg ctgatggtca 240  
tggagatccg caatgcttat gctgtgttat atgacatcat cctgaagaac ttcgagaagc 300  
tcaagaagcc caggggagaa acaaagggaa tgatctattg agagccctct ctcccannnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntggnn nnnnnnnnnn nnnnncaaac 420

151

447

ttgcttctgt tgagattttt ccctcac

&lt;210&gt; 233

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36658\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 81..100, 158, 195, 235, 237..273, 275, 456

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 233

gaccttatcc acaaccgagg gcttggaag gaaggtattt tggaatcaca ccctccggtt 60

atgttgctcc agtaaaatct nnnnnnnnnn nnnnnnnnnn ttcttagcat ggtgagctga 120

gttcatggct tttttttgta gccagtcctg tccctggnc atccatgtga tggttttgga 180

tgagagtaaa cttgnatgcc agtgggcagt gcatgtggaa agtatcagag taagncnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnanggtt tctttagaat cagaattgta 300

gccagtttct ttggccagaa ggatgaatac ttggatatta ctgaaaggga ggggtggaga 360

tgggtgtggc agtgtatggt gtgtgatttt tattttcttc tttggtcag ggggccaagg 420

agaaaggcat gaatcttccc tgtcaggctc ttacanccac aggcactgtg tctactgtct 480

g 481

&lt;210&gt; 234

&lt;211&gt; 449

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36659\_at HG-U95Av2

152

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 36, 46, 55, 56, 66, 73, 80, 91, 92, 102, 113, 120, 126, 131

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 133, 145, 152, 162, 173, 178, 204, 215, 216, 222, 315, 328, 392

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 234

acagacgaga caacagcaca caggcagcca gccgtnggcc agaggntcga ggggnnctca 60

ggggcntcag gcnacccgtn cccacacga nngggccccg tnggggtgggc ctngggccctn 120

gcttttctac ngnccaatgt tatgnccagc tnccatgttc tncccaaata cngttgnat 180

gtgaattatt ttaaaggcaa aacngtgctc tttanntttt anaaaacact gataatcaca 240

ctgcggtagg tcattctttt gccacatccc tatagaccac tgggtttggc aaaactcagg 300

cagaagtgga gacntttcta gacatcantg tcagccttgc tacttgaagg tacaccccat 360

agggtcggag gtgctgtccc cactgccccca cnttgtccct gagatttaac ccctccactg 420

ctgggggtga gctgtactct tctgactgc 449

&lt;210&gt; 235

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36690\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (99)..(115)

&lt;223&gt; n is a, g, c or t

153

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (376)..(391)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (324)..(324)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 235

gactatttttc aagcaacctg gtccaccag gattagtgc caggttttca ggaaaggatt 60

tgcttctctc tagaaaatgt ctgaaaggat tttatttttn nnnnnnnnnn nnnnngaaaa 120

taccctcctc aaataacttg cttaactaca tatagattca agtgtgtcaa tattctattt 180

tgtatattaa atgctatata atggggacaa atctatatta tactgtgtat ggcattatta 240

agaagctttt tcattatttt ttatcacagt aattttaaaa tgtgtaaaaa ttaaaaccag 300

tgactcctgt ttaaaaataa aagntgtagt tttttattca tgctgaataa taatctgtag 360

ttaaaaaaaaa agtgtnnnnn nnnnnnnnnn ntgaaatgtc agactgtaaa accttgtgtg 420

gaaatgttta acttttattt tttcatttaa atttgcgtgt ctggtattac c 471

&lt;210&gt; 236

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36691\_at HG-U95Av2

&lt;400&gt; 236

cttcagcgcc actggctgga aggtgggctg ggtcctgggt ccagatcaca tcatgaagca 60

cctgcggacc gtgcaccaga actccgtctt ccaactgcccc acgcagagcc aggctgcagt 120

agccgagagc tttgaacggg agcagctgct cttccgccaa cccagcagct actttgtgca 180

gttccccgag gccatgcagc gctgcccgtga ccacatgata cgtagcctac agtcagtggg 240

154

cctgaagccc atcatccctc agggcagcta cttcctcatc acagacatct cagacttcaa 300

gaggaagatg cctgacttgc ctggagctgt ggatgagccc tatgacagac gcttcg 356

<210> 237

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 36700\_at HG-U95Av2

<400> 237

tacaaactgt gacctcagct tcagagtgtc agggcctcac ttgtatagaa tgtaatgttc 60

tcctcaaaca tttatgttaa ctctataaac aaatatcggt aagttaaaca agttttcaaa 120

aacaaaacaa tttttaaagt accttaaaat tgaggatgtt actcagtgtt aacacatggg 180

aacacaaaaa tattcaataa gcctgggtcaa ttctatagtt a 221

<210> 238

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 36711\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 39, 43, 44, 53, 62, 70, 74, 86, 113, 124

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 127, 142, 148, 171..465

<223> n is a, g, c or t

<400> 238

ttgcacggat ctaagttatt ctccccagcc agagcccgng ctnnctgtc ccngggaaaa 60

gntggcgtn tggnccgtgag ctgggnttta tattttatat ctgcaaataa atnacatttt 120

155

atcntanatt tagggaaagc cngagagnaa caacaaaaaa tgtttaagcc nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntattg cccggctcct 480  
agaatttatt tatttcctga cttacagcaa gcgagttatc gtcttctgta ttttg 535

&lt;210&gt; 239

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36767\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (27)..(27)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 239

cagaggtagt ctactgctt gaactangct gagcaatctg accctatggg tctaggacac 60  
agttcctggg aacatcacat tcctctgcc ttctgcagg caggaacaaa cagggctgcc 120  
ttctggcctt gtaagaccct tattgctgtc ctggaggggc tggggacttg tgtctgcggg 180  
gatcagagcg cacagggagt gcacatatcc aggcaccagg actagggctg gaggtagggg 240  
ggggtatctt aattaccttc tattggtctc ccttctctac actcttgtaa taaaatgtct 300  
atttttaatg tttgtacaca acaatccttc tattctagcc tgcattgagc ttgcatgctt 360  
gcataagagc ttaagaacca ttgatttaat gtaataggga aaattctaac ccagggtatcc 420  
aaaaatgtgt aagaacaact acctgagcta aa 452

156

<210> 240  
<211> 131  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36790\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (39)..(39)  
<223> n is a, g, c or t

<400> 240  
gagaagttcc attcaaagtg ccaatgatag agtcaacang gaaggttaat gttggaaaca 60  
caatcaggtg tggattgggtg ctactttgaa caaaagggtcc ccctgtgggc ttttgttcaa 120  
cattgtacaa t 131

<210> 241  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36791\_g\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (196)..(200)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (310)..(310)  
<223> n is a, g, c or t

<400> 241  
ctgagtttgc ggagaggtca gtaactaaat tggagaaaag cattgatgac ttagaagaga 60  
aagtggctca tgccaaagaa gaaaacctta gtatgcatca gatgctggat cagactttac 120



157

tggagttaaa caacatgtga aaacctcctt agctgcgacc acattctttc attttgtttt 180  
gttttgtttt gttttnnnnn taaacacctg cttaccctt aaatgcaatt tatttacttt 240  
taccactgtc acagaaacat ccacaagata ccagctaggt cagggggtgg ggaaaacaca 300  
tacaaaaagn caagcccatg tcagggcgat cctgggtcaa atgtgccatt tcccgggttg 360  
atgctgccac actttgtaga gagtttagca acacagtgtg cttta 404

&lt;210&gt; 242

&lt;211&gt; 128

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36792\_at HG-U95Av2

&lt;400&gt; 242

gaagaagttc cattcctttc tgattggcac acgtgcagct catgacaatc tgtaggataa 60  
caatcagtgt ggatttccac tcttttcagt ccttcatgtt aaagatttag acaccacata 120  
caactggt 128

&lt;210&gt; 243

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36825\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 74, 78, 453..468, 540, 542..545

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 243

cttggtttca ctagtagtaa acattattat tttttttata tttgcaaagg aaacatatct 60  
aatccttcct atangaanga acagtattgc tgtaattcct tttcttttct tcttcatttc 120

158

ctctgccct taaaagattg aagaaagaga aacttgtcaa ctcatatcca cgttatctag 180  
caaagtacat aagaatctat cactaagtaa tgtatccttc agaattgtgtt gggttaccag 240  
tgacacccca tattcatcac aaaattaaag caagaagtcc atagtaattt atttgctaatt 300  
agtggatttt taatgctcag agtttctgag gtcaaatttt atcttttcac ttacaagctc 360  
tatgatctta aataatttac ttaatgtatt ttggtgtatt ttcctcaaatt taatattgggt 420  
gttcaagact atatctaatt cctctgatca ctntnnnnnnn nnnnnnnnta ttaaattgtaa 480  
ggcacttttc tatgaatttt aaatataaaa ataaatattg ttctgattat tactgaaaan 540  
annnnagcca tttcaatgtc ttgggaaaca a 571

<210> 244  
<211> 75  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36852\_at HG-U95Av2

<400> 244  
ccacggctat ccttatagtg atctggactt tgagtgagaa gatgtgattt ggaccatggc 60  
acttaaaaac tctat 75

<210> 245  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36879\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 155, 168, 193, 306  
<223> n is a, g, c or t

159

&lt;400&gt; 245

cgagccctgt gctcgggaag tcccgcagaa cgccggcagc tgctgcctcg cgcccgggag 60  
caggaggagc tgctggcgcc cgcagatggc accgtggagc tggtcggggc gctgccgctg 120  
gcgctggtgc tgcacgagct cggggccggg cgcanccgcg ctggggancc gctccgcctg 180  
ggggtgggcg canagctgct ggtcgacgtg ggtcagaggc tgcgccgtgg gaccccctgg 240  
ctccgcgtgc accgggacgg ccccgcgctc agcggcccgc agagccgcgc cctgcaggag 300  
gcgctngtac tctccgaccg cgcgccattc gccgccccct cgcccttcgc agagctcgtt 360  
ctgccgccgc agcaataaag ctcccttgcc gcgaaaa 397

&lt;210&gt; 246

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36929\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 106, 109, 165..235, 239, 243, 246..251, 323

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 246

gtgcccggat ccagagtgtg aagacagagg cagaggagct gtttggggag accatggaga 60  
tgatggacag gatgaaagac atggagttag agctgctgcg gggcancna ggccatcatg 120  
ctgcgctcag cggacctgac aggactggag aagcgtgtgg agcannnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngccng 240  
ttncnnnnnn natctgccgc ctttgctttt ggttgggggc agattggggtt ggaatgcttt 300  
ccatctccag gagactttca tgnagcctaa agtacagcct ggaccacccc tgggtgtgtag 360  
ctagtaagat taccctgagc tgcagctgag cctgagccaa tgggacagtt acacttgaca 420  
gacaaagatg gtggagattg gcatgccatt gaaactaaga gctctcaagt caaggaagct 480

160

gggctgggca gtatcccccg cctttagttc tccactgggg ag

522

&lt;210&gt; 247

&lt;211&gt; 358

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36965\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (97)..(119)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 247

aatgcttgcc gcttttagagg tggatggtgc tcataaaagg cccagtcgg gggatatttaa 60

aaaggactga acagaaatcc ttagctagta gaatggnnnn nnnnnnnnnn nnnnnnnnt 120

gtattgtgta ctggctataa gatgtagaca cctttcagta agccaatcat ttgtaaccat 180

tctagcagtg tcatattagg ttaataaggc tgctgtgttt taaagggcat ttttatttgg 240

gttttgggtga aattcttttaa tttgttgatt atattcacat aaaatcagca ttcattgaca 300

catagctcta atgacatatg tatgaaaaac catacactgg atgacctagt cgattatt 358

&lt;210&gt; 248

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37015\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (29)..(29)

&lt;223&gt; n is a, g, c or t

161

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (68)..(68)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (103)..(103)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (129)..(129)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 248

gtgaaaatct ctcagaagaa ctcataaang aaaatacaag agtggagaga agctcttcaa 60

tagctaangc atctccttac agtcactaat atagtagatt ttnaaagaca aaatTTTTct 120

tttcttgant ttttttaaac ataagctaaa tcatattagt attaatacta cccatagaaa 180

acttgacatg tagcttcttc tgaaagaatt atttgccttc tgaaatgtga cccccaagtc 240

ctatcctaaa taaaaaaaga caaattcgga tgtatgatct ctctagcttt gtcatagtta 300

tgtgattttc ctttgtagct acttttgcag gataataatt ttatagaaaa ggaacagttg 360

catttagctt ctttccctta gtgactcttg aagtacttaa catcacgtt aactgcagag 420

taaattgctc tgttcccagt agttataaag tccttg 456

&lt;210&gt; 249

&lt;211&gt; 509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37027\_at HG-U95Av2

162

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26..53, 134..159, 322..348, 420, 441..478

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 480, 481, 483

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 249

gttgacagacg gaggtcaggt ctccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnagcaaac 60

gccacagat gccacagagg tgggtgtagt cagggtgtgt ggggtgtttt agggttcttt 120

agtgttggtt cttnnnnnnn nnnnnnnnnn nnnnnnnng tttggtgctg acggtgagag 180

gaaattagaa tctgtttgca aattgtccaa cccaccccct caacatgagg ggcttcatt 240

ttctgtgttt tgtaaggga ctgtttcctt catgccgcca tgttctgat attagttctg 300

atttcttttt aacaaatgtt annnnnnnnn nnnnnnnnn nnnnnnnnta atggccaatt 360

aactgagaat gtaagaaaat tgatgctgta caaggcaaataa aaagctgttt attaaccttn 420

aaaaaaaaa aaaaaaaaaa nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnan 480

nngccatgt tctgatatt agttctgat 509

&lt;210&gt; 250

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37168\_at HG-U95Av2

&lt;400&gt; 250

cagttgctca tttttatggg attgcttagc tgggctgtaa agatgaaggc atcaaataaa 60

ctcaaagtat ttttaaattt ttttgataat agagaaactt cgctaaccac ctgttctttc 120

ttgagtgtat agcccatct tgtggtaact tgetgcttct gcacttcata tccatatttc 180

163

ctattgttca ctttattctg tagagcagcc tgccaagaat tttatttctg ctgttttttt 240  
tgctgctaaa gaaaggaact aagtcaggat gttaacagaa aagtccacat aaccctagaa 300  
ttcttagtca aggaataatt caagtcagcc tagagaccat gttgactttc ctcatgtgtt 360  
tccttatgac tcagtaagtt ggcaaggccc tgacttttagt ctta 404

<210> 251  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37185\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (94)..(113)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (89)..(89)  
<223> n is a, g, c or t

<400> 251  
ctcaccctaa aactaagcgt gctgcttctg caaaagattt ttgtagatga gctgtgtgcc 60  
tcagaattgc tatttcaaatt tgccaaaant ttannnnnnnn nnnnnnnnnn nnnctgctct 120  
tctgaacaac ttctgctacc cactaaataa aaacacagaa ataattagac aattgtctat 180  
tataacatga caaccctatt aatcatttgg tcttctaaaa tgggatcatg cccatttaga 240  
ttttccttac tatcagttta tttttataac attaaactttt actttgttat ttattatttt 300  
atataatggt gagtttttaa attattgctc actgcctatt taatgtagct aataaagtta 360  
tagaagcaga tgatctgtta atttcctatc taataaatgc ctttaattgt tctcataatg 420  
aagaataagt aggtatccct ccatgccctt ct 452

164

<210> 252  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37187\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 36, 55, 59, 67, 78, 117, 137, 318, 331..350  
<223> n is a, g, c or t

<400> 252  
cgccctaagtgt gtttgagcat cacttaggag aagtcntcta tttattttatt tattnattna 60  
tttggttngtt ttagaagntt ctatgttaat attttatgtg taaaataagg ttatgantga 120  
atctacttgc acactcnccc atttatattta ttgtttattt taggtcaaac ccaagttagt 180  
tcaatöctga ttcatatatta atttgaagat agaagggttg cagatattct ctagtcattt 240  
gttaatatatt cttcgtgatg acatatcaca tgtcagccac tgtgatagag gctgaggaat 300  
ccaagaaaat ggccagtnag atcaatgtga nnnnnnnnnn nnnnnnnnnn gtctatttttg 360  
taactgtaaa gatgaatgtc agttggttatt tattgaaatg atttcacagt gtgtgggtcaa 420  
cattttctcat gttgaagctt taag 444

<210> 253  
<211> 572  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37218\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (54)..(54)  
<223> n is a, g, c or t



165

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (68)..(68)

&lt;223&gt; n i s a , g , c o r t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (80)..(80)

&lt;223&gt; n i s a , g , c o r t

&lt;400&gt; 253

gtgtaccaga tttcagaact tatatttcca cctcttccaa tgtggcacc c tttngcccag 60

aaaaaagncc aggaatgtan tcgagggaat ggccatcaga atcactatcc tcctcctgtt 120

ccatttggtt atccaaatca gggaagaaaa aataaaccat atcgcccaat tccagtgaca 180

tgggtacctc ctcttgaat gcattgtgac cggaatcact ggattaatcc tcacatgtta 240

gcacctcact aacttcgttt ttgatttgtt tgggtgtcatg ttgagaaaaa ggtagaataa 300

accttactac acattaaaag ttaaaagtgc ttactaatag tagtgaagtt agatgggcca 360

aaccatcaaa cttattttta tagaagttat tgagaataat ctttcttaaa aaatatatgc 420

actttagata ttgatatagt ttgagaaatt ttattaaagt tagtcaagtg ccgaagtttt 480

taatattgga cttgagtatt tatatattgt gcatcaactc tgttggatac gagaacactg 540

tagaagtgga cgatttggtc tagcaccttt ga 572

&lt;210&gt; 254

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37221\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 315..347, 371..374, 377, 378, 443, 448..450

&lt;223&gt; n i s a , g , c o r t

166

&lt;400&gt; 254

tttatgggtcc cacttgtata tgaaaatgtg gttagaatgt taattggata atgtatatat 60  
aagaagttaa agtatgtaaa gtataacttc agccacattt ttagaacact gttaaactt 120  
tttgcaaaac cttctttag gaaaagagag ctctctacat gaagatgact tgttttatat 180  
ttcagatttt attttaaaag ccatgtctgt taaacaagaa aaaacacaaa agaactccag 240  
attcctgggt catcattctg tattcttact cactttttca agttatctat tttgttgcac 300  
aaactaattg ttaannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaga actttgacca 360  
aggctataaa nnnnacnnac attattttca gtattgttgg ttatatattaa attttcctta 420  
caataaagca cacttttata atnaaaannn gaattattgt ttttcatact tttttgcttg 480  
tttcttaaag ttttctgacg tgc 503

&lt;210&gt; 255

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37241\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (219)..(233)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 255

catgacatct ggaacacaga aagccctcaa tacattgaag ctcttaggat tttcacgatg 60  
ttcctgtctg ctcaatgcat gctttcttta ttgttctgac agttgtgtgg taacaagcta 120  
atatgcttcc agttgacttc cagtctacco tgggtgttaga aaccgtttca tctcttattg 180  
taaatttgag tgcttgttgt tttttatatt tgtgatgann nnnnnnnnnn nnnttgacaa 240  
ttgtagagg tttgactttt aaataattac ttattttttc tgattgtggc tcagtttaac 300

167

tgaagaatat cctgagattg taagaaaagc attttttaaa aggtatcact tgtgatcatt 360

tatct 365

<210> 256

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 37255\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 26, 37..61, 153, 438..477, 527, 528

<223> n is a, g, c or t

<400> 256

gcttggacag ccagtgccct cgtggnttcg ggaagannnn nnnnnnnnnn nnnnnnnnnn 60

ntgtcccagc ctcccatacc agcaaaatgc cccctgcttc cctaagggtc aggtccagag 120

cagggcccac aagggggatt agagtggcct ggnccctccc cctctacctc agtagccccc 180

aggcctgaga tggctgagaa gggaagggtg tccttttccc acagttcttg gacaaataaa 240

ggggcttcct ttggtacccc acataatagt gctaggtacc tttgacccat catcttggga 300

ggtggggagg aatgagaggg tccaggcagg gtgtagggga atgtattagt ccaatgagat 360

ttccctcttc atccgcagca gtgtatctat tctataacctg gctatgggag agacccttg 420

catgggaggg accccttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnccc 480

ggcctcccta atgtcattca cattgaatgg ggatgaggtc ggacagnngc tcatagagcc 540

gagtatgagc cctagctgtg ggctag 566

<210> 257

<211> 526

<212> DNA

<213> Homo sapiens

168

&lt;220&gt;

&lt;223&gt; Probe 37286\_at HG-U95Av2

&lt;400&gt; 257

```
cacctttttt gctgtgaaac tgaaatagtg aacttttcta cgtattgaca gcagatTTTT 60
cgatgaaatc ttcagagctt tgcctatggg gcacagtagg cctagtaacc tggcatgttt 120
gatatatgta ggtaaagcat aatttaaagt aatcccaggt aaagatggcc ctaaatactt 180
tcatgtctct atattcattt ttcacagatc cacctgtctc ttgaaaatat aaaaagacaa 240
aacaggtttg ccttggcatc agagagcaca aagattaaaa gttactttaa atttgccaat 300
atTTTgggag aacaataaaa ctacattttt tcctcttcca tactggtaga tgcgaaattt 360
atctgtgcat gaaaggggtca cttctgtaat agtgcaacag atttggtatt aaaaattaaa 420
tgtggTTTTa aaagttcctc tctcttttgt aatttatgtt cccaattgag tgtgaatgtc 480
caagtaatgg tgtatgtaat ggtacaggca aatgtgactg gatttc 526
```

&lt;210&gt; 258

&lt;211&gt; 143

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37287\_at HG-U95Av2

&lt;400&gt; 258

```
tgtaaatggg tctcggagct tctttgggtt aaaggtcta atgccaggaa cagcatacaa 60
agttcgagtt ggtgctgtgg gggactctgg ttttgtgagt tcagaggatg tgTTTgagac 120
aggcccagcg atggcaagcc ggc 143
```

&lt;210&gt; 259

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37288\_g\_at HG-U95Av2

169

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (113)..(187)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 259

ctcagggctg gttcattggg ctgatgtgtg ctggtgctct ccttatctta attttgctga 60

ttgtttgctt catcagaaga aacaagggtg gtaaatatcc agttaaagaa aannnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnaga agaccacaag cctttgaaaa aaggaagtcg aactccttca gacaggactg 240

tgaaaaaaga agatagtgac gacagcctag ttgactatgg agaaggggtt aatggccagt 300

tcaatgagga tggctccttt attggacaat acagtggtaa gaaagagaaa gagccggctg 360

aaggaaacga a 371

&lt;210&gt; 260

&lt;211&gt; 387

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37352\_at HG-U95Av2

&lt;400&gt; 260

gatgccaaga cttggcctgc agaatgtcag gaatgtgaat taaaagctgc tgtttccaga 60

cgctttttat tctgagcacc ttcactacct tgtatccagt tcatctggga actccttttt 120

gcattttaga aaatggaaag aggcaggaaa ttatgataaa ctcagtgtta acagaaagag 180

tttactgac taaatgtatg taattatatt ttgttggttg agaagaaata aatagcaaata 240

ttgtgggtatt ctttttttta aacctgctct cattcctatt aacactaaga tottagattt 300

ttatagtgat aaatgggttg acatcattgt catttgtaat tgtaaagcct caaaagacaa 360

ctgttcttac tatgtaatta tagacag 387

170

<210> 261  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37353\_g\_at HG-U95Av2

<400> 261  
aagcaagcat ggtgagaagg ctcctatgac ttctagaagt acatctactt ggagaatacc 60  
  
cagcaggaag agacgtttca gcagtagtga cttttcagac ctgagtaatg gagaagagct 120  
  
tcaggaaacc tgcagctcat ccctaagaag agggtc 156

<210> 262  
<211> 555  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37354\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 205, 208, 212, 216, 253, 270, 273, 282, 320, 326, 490..508  
<223> n is a, g, c or t

<400> 262  
ttctactttg gaaaaacaca gtgggaaaag aagaaaaaag agaaggcata gatctaaagt 60  
  
aaatggtctc caaagaggga gaaagaaaga cagacctaga aaacatttaa ctctgaataa 120  
  
caaagtccaa aagaaaagat ggcaacaaag aggaagaaaa gccaacacta gacctttgaa 180  
  
aagaagaaga aaaagaggtc caagnatncc cnaagntgaa aatattaatt ttaaacaatc 240  
  
tgaacttcct gtnacctgtg gtgagggtgan ggncactcta tntaaggagc gattcaaaca 300  
  
aggaacctca aagaagtgtg tacagngtga ggataaaaaag tggttcactc ccagggaatt 360  
  
tgaaattgaa ggagaccgag gagcatccaa gaactggaag ctaagtatac gctgcggtgg 420  
  
atataccctg aaagtcctga tggagaacaa atttctgcc aaccaccaa gcacaagaaa 480

171

aaaggtgatn nnnnnnnnnn nnnnnnnnaa tgtctcgtct attatgttgt tgattttcta 540  
tctctgtgga cttac 555

<210> 263  
<211> 166  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37377\_i\_at HG-U95Av2

<400> 263  
ctctgtgcag tcaactggagg ttgaagccaa gtgggggtgct gggaggaggg agagggaggt 60  
cactggaaag gggagagcct gctggcaccc accgtggagg aggaaggcaa gaggggggtgg 120  
aggggtgtgg cagtggtttt ggcaaacgct aaagagccct tgcctc 166

<210> 264  
<211> 208  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37383\_f\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 46, 63, 105, 106, 115, 127, 132, 133, 146, 154, 155, 165  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> 177, 183  
<223> n is a, g, c or t

<400> 264  
cctttgtgac ttcaagagcc tctggcatct ctttctgcaa aggcantga atgtgtctgc 60  
gtncctgtta gcataatgtg aggaggtgga gagacagccc acccnngtgt ccacngtgac 120  
ccctgtncct annctgacct gtgttncctc cccnntcctc tttcntgttc cagagangtg 180

172

ggnctggatg tctccatctc tgtctcaa

208

&lt;210&gt; 265

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37388\_at HG-U95Av2

&lt;400&gt; 265

ttgacaaatg tatatgcctg agaactttga atgatgctga aagctagaag caaaccaggt 60

actcttcagt cagggactgg ttgaagatth tatggatgag gagttagcaa aatatctata 120

tatgcatatc ttctgactcc cagggataca taagaaacac agggcctaga acagtatgaa 180

taaacacaca tatacacaaa catcacagaa gatactaaag gtat 224

&lt;210&gt; 266

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37393\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 46, 57, 177..179, 187

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 266

tcccgatggc cagtttgctt tcctcattcc caacggggcc ttgcncaca gcggcctgt 60

catccccgtc tacaccagca acagcggcac ctccgtgggc cccaacgcag tgtcaccttc 120

cagcggcccc tcgcttacgg cggactccat gtggaggccg tggcggaact gaggggnnt 180

caggccnacc cctcctccta aactccccaa cccaactctc ttccctccgg actctaaaca 240

ggaacttgaa tactgggaga gaagaggact tttttgatta agtggttact ttgtgttttt 300



173

ttaatttcta agaagttact ttttgtagag agagctgtat taagtgactg accatgcact 360  
atatttgtat atatatttata tgttcatatt ggattgcgcc tttgtattat aaaagctcag 420  
atgacatttc gttttttaca cgagat 446

<210> 267  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37402\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (90)..(90)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (95)..(95)  
<223> n is a, g, c or t

<400> 267  
aaaggtcacc tgcaagaacg ggcagggcaa ctgctacaag agcaactcca gcatgcacat 60  
cacagactgc cgctgacaa acggctccan ggtancccca actgtgcata ccggaccago 120  
ccgaaggaga gacacatcat tgtggcctgt gaagggagcc catatgtgcc agtccacttt 180  
gatgcttctg tggaggactc tacctaaggt cagagcagcg agatacccca cctccctcaa 240  
cctcatcctc tccacagctg cctcttcctt cttccttccc tgctgtgaaa gaagtaacta 300  
cagttagggc tcctat 316

<210> 268  
<211> 470  
<212> DNA  
<213> Homo sapiens

174

&lt;220&gt;

&lt;223&gt; Probe 37417\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (316)..(316)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 268

```

ccgctcttct tgaatcatgc tgggctgccc ctgctcagca cccgcctgg tgtgggcctg      60
gtctcagcag cggtgcggc tgtggcagcc tccatctcca gcaagtctcc tggcctctcc      120
tcctcatcct cttcatcctc atcctcctcc tcctccactt gcagcgagac ggcagcacag      180
accctgggag gtccaggggg gcccgaggca gggtcctaac ctgagtgagg gccagccatg      240
cctccctctc cattcctctg gtccctgcct tggctccctg cctgggaaga gggcgaggag      300
gccagtgggtg gggacncaga gggctctcag agcaggagtg acaaggagg aaagaccaa      360
aaaacaacca accaaaaaaaa aaaaaaaaaa aggaaagaaa ctaaccaaca aaagagaaaa      420
caaaaaataa tcacaacaga aaccagctgc cccaaaggaa ccagaggtga      470

```

&lt;210&gt; 269

&lt;211&gt; 334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37419\_g\_at HG-U95Av2

&lt;400&gt; 269

```

gagaaacgca tcaaccctg cagtgcggcc cccatgctgc ccagcccagg gaagccggcc      60
agctacagcc cccatatggt cacaccccaa gggggcgcgg ggaccttacc gttgtcccaa      120
gcttccagca gtctgagcac aacagttact acctatcct cagctgtggg gacgctccac      180
cccagccgga cagctggagg ggggtggggg gggggcgggg ctgcgcccc cctcaattcc      240
atccctctg tcactcccc acccccggcc accaccaaca gcacaaacc cagccctcaa      300

```

175

ggcagccact cggctatcgg cttgtcaggc ctga

334

&lt;210&gt; 270

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37420\_i\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 260, 265, 267, 268, 303..318, 417..457

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 270

cgcagatcct ccaaaggcac acgttgccca ccaccccatc tctgaccatg aggccaccct 60

gaggtgctgg gccctgggct tctaccctgc ggagatcacg ctgacctggc agcgggatgg 120

ggaggaacag acccaggaca cagagcttgt ggagaccagg cctgcagggg atggaacctt 180

ccagaagtgg gccgctgtgg tggcgccttc tggagaggaa cagagataca catgccatgt 240

gcagcacgag gggctgceen agccncnnat cctgagatgg gagcagtctc cccagcccac 300

cannnnnnnn nnnnnnnntc gttgctggcc ttgttgctct tggagctgtg gtcactggag 360

ctgtggctgc tgctgtgatg tggaggaaga agagctcaga tagaaacaga gggagcnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnggt gtctctcaca gctaataaag 480

tgtgagacag cttccttgtg tgggactgag aagcaagata tcaatgtagc agaattgcac 540

ttgtgcctca cgaacataca t 561

&lt;210&gt; 271

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37421\_f\_at HG-U95Av2

176

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 39, 299, 304, 306, 307, 342..357, 456..496

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 271

ccgcagatac ttggagaatg ggaaggagac gctacagcnc gcagatcctc caaaggcaca 60  
cgttgcccac caccocatct ctgaccatga ggccaccctg aggtgctggg ccctgggctt 120  
ctaccctgcg gagatcacgc tgacctggca gcgggatggg gaggaacaga ccaggacac 180  
agagcttggt gagaccaggc ctgcagggga tggaacctc cagaagtggg ccgctgtggt 240  
ggtgccttct ggagaggaac agagatacac atgccatgtg cagcacgagg ggtgcccna 300  
gccncnnatc ctgagatggg agcagtctcc ccagcccacc annnnnnnnn nnnnnntcg 360  
ttgctggcct tgttgctcct ggagctgtgg tcaactggagc tgtggctcgt gctgtgatgt 420  
ggaggaagaa gagctcagat agaaacagag ggagcnnnnn nnnnnnnnnn nnnnnnnnnn 480  
nnnnnnnnnn nnnnnnggtg tctctcacag ctaataaagt g 521

&lt;210&gt; 272

&lt;211&gt; 359

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37423\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (227)..(227)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 272

ttcataaatg ttctatacag tggacagccc tccagaatgg tacttcagtg cctagtgtag 60  
taactgaaat cttcaatgac acattaacat cacaatggcg aatgggtgact tttctttcac 120  
gatttcatta atttgaaagc acacaggaaa gttgctccat tgataacgtg tatggagact 180

177

tcgggttttag tcaattccat atctcaatct taatggtgat tcttctntgt tgaactgaag 240  
tttgtgagag tagttttcct ttgctacttg aatagcaata aaagcgtggt aactttttga 300  
ttgatgaaag aagtacaaaa agccttttagc cttgaggtgc cttctgaaat taaccaaata 359

<210> 273  
<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37452\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 44, 104, 131..150, 272..286  
<223> n is a, g, c or t

<400> 273  
tagagactca actatccaag tgggtggagaa tggggagtcc tccnagggcc gatttttccgt 60  
ccagatgttc cggtttgctg gaaactatga cctagtctac ctgnactgtg aagtctatct 120  
ctgtgacacc nnnnnnnnnn nnnnnnnnnn tacctgctct gggaccagat tccgaagtgg 180  
gagtgtcata gatcaatccc gtgtcctgaa cttgggtccc atcacacgga aaggtgtcca 240  
ggccacagtc tcaagggctt ttagcagctt gnnnnnnnnn nnnnnntggc tgcctctgct 300  
tctctcggcc accttgaccc tgacttttca gtgactgaca gcggaaagcc ctgtgctcca 360  
tggtgccat ctcacctcct gctgggcagg gggcatgatg cgggccagtg ctccagccac 420  
agaaaagaaa gttcatgctt tgttcagcct gccttct 457

<210> 274  
<211> 577  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37459\_at HG-U95Av2

178

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 29..63, 74..76, 80..83, 86, 87, 105, 107..114, 116..119

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 123, 127, 131, 132, 134..138, 140..142, 285, 287, 289..291

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 293..296, 298, 301..303, 311, 497, 521, 528, 530, 532..535

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 537..539, 541..546

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 274

gagaccgggt gttcctccag atgccctcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnntccactc ctcnnttctn nnntanntat tgtatcccat gtaanannnn nnnnnnnna 120

aanaanaaaa nnannnnnn nntatagaag aaaatgacac accaaaaaat ccaaatgaaa 180

aacataattg cttcaaaaaca cttacacagt tggaaagtta tatgtaagtg aaaatttgga 240

ccattgtgta caaataaaaa ctaagatgca tgtttaatac tccananann ngnnnngnaa 300

nnncgaatga ntgggataga gttatgtatc aagtactgac acttggttgt acccactgga 360

atcatattag ctgttttatg ttatatgctt ccacagtaac ctgcttattc agatcagtca 420

aaatatatca gtatgaaaga tcatagctaa tgaaaggcac tcaactcatat tgtttacttt 480

aaaatattta taaatangcc ttaaagaaat acaaagata ncaattanan annnnnanna 540

nnnnnntaat ttcctctgta tttgtgtaga tacttttg 577

179

<210> 275  
<211> 477  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37461\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (26)..(26)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (326)..(343)  
<223> n is a, g, c or t

<400> 275  
cgctcaaggc cacaaccatg atgatnccgac cagcagattt ctaaaccatcc cagtcacacct 60  
gaggaactgt ctggaactat tttcaaagac ttaagcccag tgcactgaaa gtcacggctg 120  
cgcactgtgt cctcttccac cacagagggc gtgtgctcgg tgctgacggg acccacatgc 180  
tccagattag agcctgtaaa ctttatcact taaacttgca tcacttaacg gaccaaagca 240  
agaccctaaa catccataat tgtgattaga cagaacacct atgcaaagat gaacccgagg 300  
ctgagaatca gactgacagt ttacannnnn nnnnnnnnnn nnnnaagaatg ttatgtgcaa 360  
gtttatcagt aaataactgg aaaacagaac acttatgtta tacaatacag atcatcttgg 420  
aactgcattc ttctgagcac tgtttataca ctgtgtaaat acccatatgt cctgaat 477

<210> 276  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37484\_at HG-U95Av2

180

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 104..165, 252..270, 359..361, 365..379

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 276

tcttctgaca tcagccaagt caatgtttcg cttatcttgt ggaaaccaac tttataaaaa 60

tcatatTTTT ccagcttaaa tcttactata aggggagaac ttcnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatatt caaagatggg 180

ctaccgggca gagggtcatt atgggtcatc ctgctgagtg cttttgccgg attgttgctg 240

ttaatgctgc tnnnnnnnnn nnnnnnnnnn attggattct tcaaaagacc actgaaaaag 300

aaaatggaga aatgaaatat tttagcagaag aaaataataa caattattca ataattctann 360

ntcannnnnn nnnnnnnnnnt gtgacaagaa atgtataatt catgacatag tcatgtaact 420

atgtaatcca tcagggattc attacttgga aaatgacagg tcatgcatta tccaa 475

&lt;210&gt; 277

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37493\_at HG-U95Av2

&lt;400&gt; 277

caaagcagtg tttgtcctaa tttatatatt gtttttctag ttcattttgt gtttccaact 60

tttcatgtaa aatttttaatt atttttgaat gtgtggatgt gagactgagg tgccttttgg 120

tactgaaatt ctttttccat gtacctgaag tgttactttt gtgatatagg aaatccttgt 180

atatatactt tattgggtccc taggcttcct attttgttac cttgctttct ctatggcatc 240

caccattttg attgttctac ttttatgata tgttttcata agtgggtaag caagtattct 300

cgttactttt gctcttaaatt ccctattcat tacagcaatg ttgggtgtca aagaaaatga 360

taaacaactt gaatgttcaa tggtcctgaa atacataaca acatttttagt acattgtaaa 420



181

gtagaatcct ctgttcataa tg

442

&lt;210&gt; 278

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37494\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (155)..(182)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (220)..(259)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 278

gcccccttgg gaggtcaaca agcctgggga ggtgtgttga gacccccagg cctagacagg 60

caaggggatg gagagggctt gccttccttc ccgcctgacc ttcctcagtc atttctgcaa 120

agccaagggg cagcctcctg tcaaggtagc tagannnnnn nnnnnnnnnn nnnnnnnnnn 180

nnggccccct tgaccttcag caaatcaactt ctctccctgn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnt ttttcctgtc aggttaactt atttgtaggt tctgcattat 300

tagaactttc tagatatact cattccatct cccctcatt tttttaatca ggtttccttg 360

cttttgccat ttttcttcct tcttttttca ctgatttatt atgagagtgg ggctgaggtc 420

tgagctgagc cttat 435

&lt;210&gt; 279

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

182

&lt;220&gt;

&lt;223&gt; Probe 37514\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (315)..(336)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 279

ctgaacctgt gttcggggcgc ctggcatccc ccggctttcc aggggagtat gccaatgacc	60
aggagcggcg ctggaccctg actgcacccc ccggctaccg cctgcgcctc tacttcaccc	120
acttcgacct ggagctctcc cacctctgcg agtacgactt cgtcaagctg agctcggggg	180
ccaagggtgct ggccacgctg tgcgggcagg agagcacaga cacggagcgg gcccttgga	240
aggacacttt ctactcgctg ggctccagcc tggacattac cttccgctcc gactactcca	300
acgagaagcc gttnnnnnnn nnnnnnnnnn nnnnnncagc cgaggacatt gacgagtgcc	360
aggtggcccc gggagaggcg cccacctgcg accaccactg ccacaaccac ctgggcggtt	420
tctactgctc ctgccgcgca gg	442

&lt;210&gt; 280

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37534\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (142)..(158)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (273)..(305)

&lt;223&gt; n is a, g, c or t

183

&lt;220&gt;

&lt;221&gt; misc\_feature .

&lt;222&gt; (430)..(458)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (461)..(488)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (319)..(319)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 280

cttttatatg ctaaaggagc atctatcaga ttaagttaga acatttgctg tcagccacat 60

attgagatga cactaggtgc aatagcaggg atagattttg ttggtgagta gtctcatgcc 120

ttgagatctg tgggtggtcct cnnnnnnnnn nnnnnnnnga tcaaggatgt agtatctcat 180

agttcccagg tgatattttt cttattagaa aaatattata actcatttgt tgtttgacac 240

ttatagattg aaatttccta atttattcta aannnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnttggt gttgttttng gatggtgtta catattatat gttctagaaa catgtaatcc 360

taaatttacc ctcttgaata taatccctgg atgatatttt ttatcataaa tgcagaataa 420

tcaaatacan nnnnnnnnnn nnnnnnnnnn nnnnnnnntt nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnngt tgctgttggtg tgatcaaaca tgtctctgtg tagttccagc aa 532

&lt;210&gt; 281

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37565\_at HG-U95Av2

184

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (412)..(431)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (28)..(28)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 281

```
agtcacatgag ttatatcctg gctcagtnng agtgatattt atgtattatt tttacttttc      60
tctcagtggtc ttatattaag attaacatgt tgtaaatagt tgctttgttg attaattctct      120
cttggttggtg ttttaataaa tgaaataggc ttgcctttag atcgggtgct gatattgcct      180
gtttcctagt aatgggctga tcaaatagac agtggaattc ttggtttgat gataacctta      240
ttaattgaaa ttttttactg atgtggcttt aaaagagggt tattttgtat atgttttagaa      300
ctctctgatt ttgatgaatt atatgggaat gagaaacaga agaagtggta ttgctggcg      360
agttaaatag gcaaggtacc cagtataaac accaaccaaa ccactcctat cnnnnnnnnn      420
nnnnnnnnnn ngatgcctgt tgttttactg tgtatatattt atttttaata tattaacttt      480
gtggattcat ttaagggtcta ctcaaaagta acactgtca      519
```

&lt;210&gt; 282

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37608\_g\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (163)..(254)

&lt;223&gt; n is a, g, c or t

185

&lt;400&gt; 282

ttccagtcag cagaggaagc cttgaggggc ttgtatggtc gtgtgaggaa aggggctgtg 60  
cttgtctgtg cctgggctga ggagggcgcc gacgccctgg gccctgatgg caaattgctc 120  
cactcggatg ctttcccgcc accccgcgtg gtggatacac tgnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnncggcaa gaagtgtggc ctgcagggtc ttgatggcat cgtgtgagag 300  
caggtgccgg ctctcacac accatggaga ctaccattgc ggctgcatcg ctttctcccc 360  
tccatccagc ctggcgctca ggttgccctg ttcaggggac agat 404

&lt;210&gt; 283

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37611\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (160)..(182)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (184)..(184)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 283

ggatcgttat ctactgacta tattttccct tattactgct tgcagtaatt caactggaaa 60  
ttaaaaaaaaa aaaactagac tccattgtgc cttactaaat atgggaatgt ctaacttaaa 120  
tagctttgag atttcagcta tgctagaggc ttttattagn nnnnnnnnnn nnnnnnnnnn 180  
nnangttact aatatatctg taacactatt acagtattgc tatttatatt cattcagata 240  
taagatttgt acatattatc atcctataaa gaaacggtat gacttaattt tagaaagaaa 300

186

attatattct gtttattatg acaaataaaa gagaaaatat atatttttaa tggaaagttt 360

gtagcatttt tctaataagg actgccatat ttttctgtgt gg 402

<210> 284

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 37637\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 48..50, 53, 93, 352

<223> n is a, g, c or t

<400> 284

tccttaaaga actggctgat ggggcaggag gtccaggcct gggctctnnn ggnccctccta 60

gagggccatt ggagcttgca gctcagaccc ccnactttga gttttattta tttaaatagt 120

agttggatgc ttggcacgtc gtcctgtaat aggaaaccct tgcctcatca gttttcctga 180

tttacaagtg caatatttta gccaatgcct tgggagaagc tgccatgcaa aggtggacac 240

cattctccag cttcagggga tatgctcgtc ccgggcaccg gtggcaggca gctggccttc 300

tggactaagg cagcctgggg ggacactgca gtctggctac acacagagat cntggcaccc 360

cctgggtgga gtgtccctcg ggggctttgg gaaagcatgg caccctcaga ccacacagta 420

gccaaagttct ggagcaa 437

<210> 285

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 37645\_at HG-U95Av2

187

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (397)..(411)

&lt;223&gt; n i s a , g , c o r t

&lt;400&gt; 285

catttgcaact actggaagga gttagatggt ggtactagat actgaatgta aacaaaggaa 60

ttatggctgg taacataggt ttttagtcta attgaatccc ttaaactcag ggagcattta 120

taaattggaca aatgcttatg aaattaagat ttgtaatat tctctctttt tagagaaatt 180

tgccaattta ctttggttatt tttcccaaaa aagaatggga tgatcgtgta tttatttttt 240

tacttctca gctgtagaca ggtccttttc gatggtacat atttctttgc ctttataatc 300

ttttatacag tgtcttacag agaaaagaca taagcaaaga ctatgaggaa tatttgcaag 360

acatagaata gtgttggaat atgtgcaata tgtgatnnnn nnnnnnnnnn ntaggaaata 420

ttctgtaatc ttcagacct gaataatact agtcttataa taggtttgtg actttcctaa 480

atcaat 486

&lt;210&gt; 286

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37695\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (449)..(457)

&lt;223&gt; n i s a , g , c o r t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (224)..(287)

&lt;223&gt; n i s a , g , c o r t

188

&lt;400&gt; 286

```
gggcctgcgt taaaacctaa ttgctaattgc ttcacaacta ggagagcatg ccgtcttgat      60
gtttaaaaaa cccaggggtct ccacccttcc tttgatttgt gcaattctgt cttccacagt      120
tccggagcct tcagtgaggg gtagctacat gccccatgcc tgccctttct ttccttcttt      180
gtcacttta ctatgggtgt attttaatct tgtataaaaa tatnnnnnnn nnnnnnnnnn      240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaaa cagatttgat      300
ttgtgttttt gaaatgtcag tacattttgt gccactaaca ctgtgatgta taaaagagct      360
gtttgaatgc cttttaatgt tgtgttttgt actctggaat catatggaaa aagtttgatt      420
tgtaatttca atacatattt taaatgtann nnnnnnnacg tagtttgtcc ccccttttag      480
cagggattcc tttttaaagc t                                          501
```

&lt;210&gt; 287

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37701\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 28..42, 145, 194, 220, 239, 301, 306, 319, 324, 329, 352..368

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 386, 447..462

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 287

```
cataaagact gaccttgaat tcagcctnnn nnnnnnnnnn nnatcactca gaactattga      60
ttcaaagttg ggtagtgaat caggaagcca gtaactgact aggagaagct ggtatcagaa      120
cagcttcct cactgtgtac agaancgcaa gaagggaata ggtggtctga acgtggtgtc      180
```



189

```

tcaactctgaa aagncaggaa tgtaagatga tgaaagagan caatgtaata ctggttggtnc      240
caaaagcatt taaaatcaat agatctggga ttatgtggcc ttaggtagct ggttgtagat      300
nctttncct aaatcgatnc catngttanc cacatagtag ttttagttta gnnnnnnnnn      360
nnnnnnnnngt gtttactatg tgcaanggta ttgaagttct tatgaccaca gatcatcagt      420
actgttgtct catgtaatgc taaaacnnnn nnnnnnnnnn nntgcattgt taaaaatgat      480
gtgtgaaata gaatgagtgc tatggtgttg aaaactgcag tgtccgttat gagtgcctaaa      540
aatctgtctt gaaggcagct acactttgaa gtggtctt                                577

```

```

<210> 288
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Probe 37712_g_at HG-U95Av2

```

```

<220>
<221> misc_feature
<222> (96)..(101)
<223> n is a, g, c or t

```

```

<220>
<221> misc_feature
<222> (106)..(134)
<223> n is a, g, c or t

```

```

<400> 288
gaggatatcc atcagccatt tcaacaacat atggtaccga gtactctctg agtagtgcag      60
acctgtcatc tctgtctggg tttaacaccg ccagcnnnnn ncaccnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnacacct acataacatg ccaccatctg ccctcagtca gttgggagct      180
tgcaactagca ctcatttata tcagagttca aatctctccc tgccttctac tcaaagcctc      240
aacatcaagt cagaacctgt ttctcctcct agagaccgta ccaccacccc ttcgagatac      300

```

190

ccacaacaca cgcgccacga ggcggggaga tctcctgttg acagcttgag cagctgtagc 360  
agttcgtacg acgggagcga ccgagaggat caccggaacg aattccactc cccattgga 420  
ctcaccagac cttcgccgga cgaaaggga agtcctcag tcaagcgcac gcgactttct 480  
gaaggatggg c 491

&lt;210&gt; 289

&lt;211&gt; 585

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37745\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 72, 89..103, 139, 194..202, 204..206, 208, 209, 212

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 214..216, 229, 230, 232, 233, 240..266

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 289

ctgctgtaag ctttcttaac tgttttttgt aacaagcaaa gagaatatgg caaatatttg 60  
tatattccca anggggccgg gtgctttcnn nnnnnnnnnn nnnatggatg aagtttcgct 120  
gggtgctcgt gactggccna gttttgtgca gctgactgtc tcagccaaac cactgatctt 180  
ccctggaggc cttnnnnnnn nncnnncnng cntnnncctg aggtcccenn tnnccagtcn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnntggt atgtacagga ggacctttta aaaaaatcaa 300  
gtttctatatt tttgctggta gtccgcatac ccataccctc tgtttttgaa aggcaaaggc 360  
caatcagtcc ccatttgtag catggcacca gggctctagg cctagtcctc tcattcctcc 420  
caccctccga gatggtcagt gtgtcatggg aagcccaccc ccagctctgc cagtgtcttc 480  
tgggcctggc tcccagtcag tgggtggccac gatgcggtac agggcatccc tccttcccat 540

191

ctacgggtgt tctcaataaa caatgtacag ttgtttgggc ccaga

585

&lt;210&gt; 290

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37749\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (32)..(32)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (109)..(123)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (247)..(299)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 290

ctctgccaga gtagtgaagc taattaaaca cntttggttt ctgaataaat tgaactaaat 60

ccaaactatt tcctaaaatc acaggacatt aaggaccaat agcatctgnn nnnnnnnnnn 120

nnngttatta gctgggaaga ccaattctaa cagcaaataa cagtctgaga ctcctcatat 180

ctcagtgggtt agaagcatgt ctctcttgag ctacagtaga ggggaaggga ttgttgtgta 240

gtcaagnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt 300

gcctgtccca gagaggcttt ccaatgtagc tcagtaattc ctgttacttt acagacagga 360

aagtccaga aactttaaga acaaactctg aaagacctat gagcaaatgg tgctgaatac 420

ttttttttta aagccacatt tcattgtctt agtcaaagca ggattattaa gtgattattt 480

192

aaaattcggtt tttttaaaatt agcaacttca agtataacaa ctttgaaact gg

532

&lt;210&gt; 291

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37785\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 135, 140, 141, 143..151, 154..156, 158, 160, 161

&lt;223&gt; n is a, g, c or t.

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 163..170, 173, 174, 176..212, 220, 258

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 291

ttggggggcct acagcagcct caccttcagc ttcattgctc ttccacacag cgtttccatg 60

cagggtcaggg gatggggaggg gtccctgagc ctttccttc ccctctaagg aggcagcaac 120

ggcagagtgg ggaantggan ngnnnnnnnn nctnnntngn ntnnnnnnnn ccnnngnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncagagccn aatgagaagg aaacctcatc 240

tttgcatagc ccatgccttc atggagaggt gacatcatatc attcacatgc ttctcaccta 300

agtccccagg gt 312

&lt;210&gt; 292

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37823\_at HG-U95Av2

193

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (35)..(35)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (38)..(38)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 292

cccaggtgca gtgtgacatt attttattat aacancnca aagagattat ttttaaataa 60

tttaaagcat aatatttctt aaaaagtatt taattatatt taagttgttg atgttttaac 120

tctatctgtc atacatccta gtgaatgtaa aatgcaaaat cctggtgatg tgttttttgt 180

ttttgttttc ctgtgagctc aactaagttc acggcaaaat gtcattgttc tccctcctac 240

ctgtctgtag tgttgtgggg tcctcccatg gatcatcaag gtgaaacact ttggtattct 300

ttggcaatca gtgctcctgt aagtcaaagtg tgtgctttgt actgc 345

&lt;210&gt; 293

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37830\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26, 34, 49, 67, 68, 72, 78, 80, 313, 314

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 293

acctgcctgc gctctccaga tatganccct gcanccaccc cccacagcnt gccctacccc 60

acctacnntg cntcagcntn ggacttctca gtgggtggag tgccagggag gaggaggcac 120

acggagacct ggggctcggg gccctggat tcctgcatct gcatatgcgt atttgccaaa 180

194

gacgacaggg tgggctgggg tgcgctccgg aggaaccccc ggcactgatg ggcttctgcc 240  
cctgcccttc ctcacactga cactttgtcc ccacatgggg tggggagcag agtgcccgcc 300  
ccgtggagat acnnccccag cgggggctgc gacatccatg gccaccatgg ggcacctggc 360  
ggggcggggg tctgccggcc tctgggcaag gcccctggag catctcgccc aggcttttta 420  
tacottacaa tgtaactttt ttattttatt ttactctatg attattcagg aatattatct 480  
ctcagataag t 491

<210> 294  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37841\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (286)..(286)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (339)..(359)  
<223> n is a, g, c or t

<400> 294  
gaaagcagga ttccatcgct ggaacaatta catgatggac tggaaaaatc aatttaacga 60  
ttacactagc aagaaagaaa gttgtgtggg tctctaatta atagatttac cttttataga 120  
acatattttc ctttagatca aggcaaaaat atcaggagct tttttacaca cctactaaaa 180  
aagttattat gtagctgaaa caaaaatgcc agaaggataa tattgattcc tcacatcttt 240  
aacttagtat ttacctagc atttcaaaac ccaaagggtt agaacntggt taattaaatt 300  
tcacaatata aagttctaca gttaattatg tgcatatnn nnnnnnnnnn nnnnnnnnt 360

195

tctttctttc cttaataaat ttaagttttt tccccccaaa attatcagtg ctctgctttt 420

agtcacgtgt attttca 437

<210> 295

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 37944\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (138)..(139)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (146)..(146)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (153)..(153)

<223> n is a, g, c or t

<400> 295

ccactttgat gctatttggg ttatgatggg gcaagatggc agaggatttg ggtttttttg 60

ttttttcca ttctctctta cttctgtttc ctagcttttt ctttctggag ttttaagtaca 120

gtgatgggtg gcttgagnnc cttttnaaat ctngcccagt ataaacatta gcctgcttaa 180

tatttagaca tttataggta gaattctgag cactcaactc atgtttggca ttttaaagta 240

aaaacaagtg tgacttcgag gaccaaagaa attgtcagct atacatttat ctttatgaac 300

tcatttatat tcctttttta tgactcgttg ttctaacatt tcctagaagt gttcttataa 360

aggtctaata tatccacagg ctgttgtctt attagtaaata gcaaagtaat gactttgtct 420

196

gttttactct agtcttttagt acttcaaaat taccttttca tatccatgat cttgagtcca 480  
tttgggggat ttttaagaat ttgatgtatt tcaatacact gttcaaaatt aaattgttta 540  
attttatgta tgagtatgta tgttcctgaa gttggctcta tt 582

<210> 296  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38022\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (39)..(65)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (234)..(340)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (377)..(402)  
<223> n is a, g, c or t

<400> 296  
tcaacaaggg cctggtggac aagatcatgg tggaccgcnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnggctt cgaggacca cgcaccaaga ccaagatgtc ggccgcccag gccctgaaga 120  
agggctggct ctactacgag gccggccagc gcttcctgga ggtgcagtac ctgaccggcg 180  
gcttgatcga gcccgacacg ccgggcccgc tgccccctgga cgaggccctg cagnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gctggaccgc agcatggtgg 360



197

aggagggcac ggggctnnnn nnnnnnnnnn nnnnnnnnnn ncccaccaag ggctactaca 420  
gccctacag cg 432

<210> 297  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38062\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (116)..(133)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (400)..(400)  
<223> n is a, g, c or t

<400> 297  
aatcagtga cctgaagcaa gaaatcttgc cttttaatgt atcattaatt agggctgctg 60  
tgatattgtc agcttgcatt aacaattaga agatagagaa cccgccatca gggtgnnnnn 120  
nnnnnnnnnn nnngactaca cttggtagtt ttccaccatt taaagaactg gtaaatatga 180  
aacatttggt gagttaccag aattgccatt aacagtgttt tctttcccat attccatgct 240  
ttctgcctct gtgtatatata ataatatata tgtatatgac tgtgctgtgt atttatcgaa 300  
gctagtaagc aataatttat atgtaaaaat ggccaagcaa tataagggtta aaacttatat 360  
aagtaaccct taccttatct tgtattttca attttttttn aaaactgctt ttccaaatat 420  
gagactatg 429

198

<210> 298  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38066\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (90)..(90)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (97)..(97)  
<223> n is a, g, c or t

<400> 298  
ctgatctata caaatTTTca gaaggTTatt ttctttatca ttgctaaact gatgacttac 60  
catgggatgg ggtccagtcc catgaccttn ggggtancaa ttgtaaacct agagttttat 120  
caactttggT gaacagtttt ggcataatag tcaatttcta cttctggaag tcatctcatt 180  
ccactgttgg tattatataa ttcaaggaga atatgataaa acaactgccct cttgtggtgc 240  
attgaaagaa gagatgagaa atgatgaaaa ggTtgctga aaaatgggag acagcctctt 300  
acttgccaag aaaatgaagg gattggaccg agctggaaaa cctcctttac cagatgctga 360  
ctggcactgg tggtttttgc tctcg 385

<210> 299  
<211> 540  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38129\_at HG-U95Av2

199

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 205..208, 210, 238..241, 280, 281, 290, 357

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 391, 456..470, 501

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 299

atctccagaa agtgggtattc cataaaacct accaactcat ggattcccaa gatgtgagct 60

ttttacataa tgaaagaacc cagcaattct gtctcttaat gcaatgacac tattcataga 120

ctttgatttt atttataagc cacttgctgc atgaccctcc aagtagacct gtggcttaaa 180

ataaagaaaa tgcagcaaaa agaannnnan agaaatattt ggtgggttttt tttttttnnn 240

naaacatcca cagttaaggt tgggccagct acctttgggn ntgaccccn ccattgccat 300

aacatcctgc tccattccct ctaagatgta ggaagaattc ggatccttac cattggnaat 360

cttccatcga acatactcaa acacttttgg nccaggattt gagtctctgc atgacatata 420

cttgattaaa aggttattac taacctgtta aaaatnnnnn nnnnnnnnnn tttaacagac 480

accctaaaag tctccttttc nacatagttg aagacagcaa catcttcact gaatgttttg 540

&lt;210&gt; 300

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38130\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (168)..(184)

&lt;223&gt; n is a, g, c or t

200

<400>	300	
catattgctt	ttgctgcatt	agaagctggt
tgtttcctaaa	ctcgagagat	tttggatgcc
		60
atgaatcgag	actgtggaat	tccactcagt
catttgcagg	ttgatggagg	aatgaccagc
		120
aacaaaattc	ttatgcagct	acaagcagac
attctgtata	ttccagtnnn	nnnnnnnnnn
		180
nnnnccgaaa	ccactgcact	gggtgctgcc
atggcggcag	gggctgcaga	aggagtcgac
		240
gtatggagtc	ttgaacctga	ggatttgtcc
gccgtcacga	tggagcgggt	tgaacctcag
		300
a		301

```
<210> 301
<211> 431
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Probe 38152_at HG-U95Av2
```

```
<220>
<221>  misc_feature
<222>  (130)..(145)
<223>  n i s a , g , c o r t
```

```

<400> 301
agtgtacat gatgccggtg ttgaccttc ttcaagagga ccaaattgatt tcagaattta 60

gttttagcag ctgaaaattt atttctccct gtaaactgta aaaacagttt tccaaataac 120

atcaacaacn nnnnnnnnnn nnnnnttctt attctttcta aactacaacg aacacaagaa 180

ttgaatagta agatgttaat tttttttact ataaacattt ttagagaagt aaaacatgct 240

gaaaactaca caaattataa gcatacaact ggactcatta tcacagtga tgcactgtgt 300

gatcgccaca taggtaaaaa ctggaatggt cgtaggcctc tccatctgta cccttttcca 360

tcatgtccta ttccctgtca ctacacacta aaactttcct gacttacaat accatggggt 420

atztatgctt g 431

```

201

<210> 302  
<211> 618  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38169\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 35..78, 142..236, 274..346, 529..547

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 302

ggatcgtctc ccagggtaac ctcgaagagt gagtnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnct cttctgcccc tcccttctgc caacacagca gtcagcttct 120  
ctcgtgagct ttctggtagg annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngctg 240  
tttcttggtc tcttcgttgc catcgttctc accnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcat cttggtgaac 360  
atttacttga tgggtccagtt aagtgcagac acttgggtca gattcagcat ttggatggca 420  
attggcttcc tgatttactt ttcttatggc attagacaca gcctggaggg tcattctgaga 480  
gatgaaaaca atgaagaaga tgcttatcca gacaacgttc atgcagcann nnnnnnnnnn 540  
nnnnnnnttc aagcaaataa ccatcaccca agaaatctca gttcaccttt catattccat 600  
gaaaagacaa gtgaattc 618

<210> 303  
<211> 601  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38177\_at HG-U95Av2

202

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 110, 117..123, 126, 127, 129, 130, 132..139, 141, 143..147

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 218..264, 308, 433, 442, 541..573

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 303

ggcgctgtcc tgaatcccca cgaggccctg gctcagcctc ttcccaccac aggcacacca 60

gggtcagaag gggggacggt gaagaactat gagacagctg tccaattttt ctggaannnn 120

nnnaannann annnnnnnnc nannnnnaag gattggtgcg actgggcat gattagcagg 180

ccttatagca ccctgcgaga ttgcctggag cactttgnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnatcttt gagactcacc agatccactt tgccaactgc 300

tccctggntg cagcccacct tctctgaccc cccagaggat gtactcctgg ccatgatcat 360

agcccccatc tgctcatcc ccttcctcat cactcttgta gtatggagga gtaaagacag 420

tgaggcccag gcntaggggg cnacgagctt ctcaacaacc atgttactcc acttccccac 480

ccccaccagg cctccctcct cccctcctac tcccttttct cactctcatc cccaccacag 540

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggtcatg gcacaagtgc tgtaatcttc 600

a 601

&lt;210&gt; 304

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38222\_at HG-U95Av2

&lt;400&gt; 304

caccagaag aagttccgcc ggcgaccaca tgagctccta cagaaactca cagccaaatg 60

203

```

gcagaggcag ggtcgctgag tcctccaggt cctgggcagc cttcatattt gccatttgtt 120
ccggggcacc aggagcccca ccaaccccaa accatgcgga gaattagagt tcagctcagc 180
tgggcatgga gttaagatcc ctcacaggac ccagaagctc accaaaaact atttcttcag 240
ccccttctct ggcccagacc ctgtgggcat ggagatggac agacctgggc ctggctcttg 300
agaggtccca gtcagccatg gagagctggg gaaaccacat taaggctgctc acaaaaatac 360
agtgtgacgt gtactgtcaa 380

```

&lt;210&gt; 305

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38223\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26, 67, 81, 86, 98..112, 265..301, 541

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 305

```

gcaagacagc agctgctatg cacacntgga gtccaccata ccaaagcacg aaccagactg 60
tttcttnggg gtcagcccta naccnggatt tcagtctnnn nnnnnnnnnn nncatctggc 120
taaacaacct gacaaactgt ggccagggga accgacacaa ccctcaagca tttctatgta 180
ttgagaattg tcagtgcctt aaggatatcca ttggttcctt tgatgccaac ttacaatttt 240
taccggattt gctgaaatgg gcacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
ngaacacaat gtctcatact aaccaagaag caagaaaagc cccatgcttt catttttcac 360
ttggagtgac aatgggagag gtcaggaatc aagttcactt tcaagatcta agggagtcca 420
ctatctgtgc aattgtattt ggcttttttt tgcactgttt caatgctggt aattgaaacc 480
attttaatat atttggttgt attcacttta tatgtccttc caaaaatgtt gttgtgtaca 540

```

204

naccatgctt tcaatgttgg cttcca

566

&lt;210&gt; 306

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38234\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (191)..(191)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 306

cagccgagcg ttcagggctg cgctccggcc ggctgagagg gcacgtgccc cgtcacagtc 60

tggactcctg ggccctggatt gatgtgtctc acagactcgg aagggttctg ctctcctcc 120

tccccctgaa caatgctggc agttgctaca aatagattta ttggaggctt atggctccgg 180

ttccccacac naccgcctca tgagtctctg tttgttcttc ccttttcttt tgccctgtcc 240

ctcaccttgg gtcgggggtg ctggagtgga ccacaatgtt gtgctggggg atgggggggt 300

ctctctttgc cgattgtgca gtgcacaaga tttgtgaaaa atgtaaataa cagactccta 360

ttgcg 365

&lt;210&gt; 307

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38247\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (452)..(467)

&lt;223&gt; n is a, g, c or t



205

&lt;400&gt; 307

```

cagactggga acagggccca ggaatctgtg tggtaaaaac ctgcatggtg tttatgcaca      60
cagagatttg agaaccattg ttctgaatgc tgcttcatt tgacaaagt cccgtgataat      120
ttttgaaaag agaagcaaac aatgggtgtct cttttatgtt cagcttataa tgaaatctgt      180
ttgttgactt attaggactt tgaattatct ctttattaac cctctgagtt tttgtatgta      240
ttattattaa agaaaaatgc aatcaggatt ttaaaccatgt aaatacaaat tttgtataac      300
ttttgatgac ttcagtgaag ttttcaggta gtctgagtaa tagattgttt tgccacttag      360
aatagcattt gccacttagt attttaaaaa ataattgttg gagtatttat tgtcagtttt      420
gttcacttgt tatctaatac aaaattataa annnnnnnnn nnnnnngac cacatctctt      480
tggaataatag tttgcaacat atttaagaga tacttgatgc caaatgact ttatacaacg      540

```

&lt;210&gt; 308

&lt;211&gt; 588

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38267\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 282, 400..402, 405..407, 409, 410, 413, 488..538

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 308

```

gttctaacta gtaatcttgg ccctattcat tacatcctct gcttgtcatt ctgctaattt      60
atgaagatag tttattatag tctgtacttc agttctcatc ttgtaaataa tgcttaacat      120
aaacttgtag ttacactgaa atccaaaata gtcagtgttc tgcagtattc tgtagccaac      180
ttaaaccctgt gctttcatgt ttaagaaatg agaaattgtg ccaaagatag cagaagagta      240
gataagtgtc cagtattgac gacctacatc tgaaatctac ancataatga tactgaattg      300
ttatgtaaac atcataaata gtaaataatg attcaatgtg aatttttaaaa tgcaaatatt      360

```

206

gctattgttt ataggaaata aatctaaata taaatgaaan nnaannnann aantttatct 420  
tgggctaaat ggttctaccc cttagtaggt tgccccaatt agtggcacta gttggcagag 480  
ctgttcannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac 540  
tgctgttaac tcataaaaga gaagagtgtt ccatttcagt ctcaataa 588

&lt;210&gt; 309

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38268\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 106..141, 215, 221, 223, 226, 229, 235, 238, 250, 351

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 352, 376..408, 453, 474

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 309

ctcatgcata gacaagtgtt ttgggttttt aaaaaaata ttctgtcatt gggtacaaat 60  
ttttactcag gctttctatt ggcatggatt tcctttgacc tctcannnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nccccagtta atgtgccaaa atgtcaattt ttaacttatc 180  
tccagccaat ttcaaagaaa acagaccagc atagnttctg ncnatnacng ttttnagntg 240  
ggcatagggn ttggaagaaa gggagaagga ttcttttttc aatgtactgt attgggacgc 300  
tggttaactgt taaccagtg ttcagcatag agctatatat atatatatat nngtatatat 360  
ttattatttt catatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa tgtgaaataa 420  
agagttctcc ttgtacttga ataataacca cgnttccaac ccaggtctgc tttngggctt 480  
atcagaactc ctttctaag 499

207

<210> 310  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38276\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (247)..(283)  
<223> n is a, g, c or t

<400> 310  
ccggagccat aactgctgca gtttgggccc aggctatgtg ctcttctggt gccctaggga 60  
ctgctgtggc cagagcctgg ggccagccag tacagtcctg agccgaggag gagggactgc 120  
aagtggaaga gagccagtct ggaaggaaga gctttccagg tggacagggc ttcttggaag 180  
acccccaaag cccaggtat cctgggtgaa gcctgtttgc ctctcttgaa aatggcaggt 240  
gctcttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnagtagga agcatggact 300  
ctcctgagtg agaagagact gaaataggag caagcagaac cctgagaggt gtcccatctt 360  
attgctgttg aggaccctga aacaccgttg tttaaagact tcacacagaa ggctctgaac 420  
tgagccactg gggaa 435

<210> 311  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38278\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (51)..(65)  
<223> n is a, g, c or t

208

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (116)..(116)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (240)..(240)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 311

gtaggccagc ccatggtgtt gtgtacactg tggagtcgac aggggcctac nnnnnnnnnn 60

nnnnnctgcc agggggctct gaactagtgc ctgctaccca ggacaccgg gccatncccc 120

tggctgggca gcctggcaca agtgaagaag aaggcagtgg gaaaactggg tttatctcaa 180

ggcagcagcc tgagcccagg agcagaggac ccagttgtta taaggcgctg ggagaggatn 240

ggcagctccc actgccccag agcggagctc gaagcaccca ggttgccac ggaa 294

&lt;210&gt; 312

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38287\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (327)..(342)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (362)..(381)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 312

actggaggaa cctccacttg ttttggtgc tgcaaatgtg gtgagaaata tcagctataa 60

209

atatcgagag gacttgtctg cacatctcat ggtagctggc tgggaccaac gtgaaggagg 120  
tcaggtatat ggaaccctgg gaggaatgct gactcgacag ccttttgcca ttggtggctc 180  
cggcagcacc tttatctatg gttatgtgga tgcagcatat aagccaggca tgtctcccgga 240  
ggagtgcagg cgcttcacca cagacgctat tgctctggcc atgagccggg atggtctcaag 300  
cggggggtgtc atctacctgg tcactannnn nnnnnnnnnn nnggaccatc gagtcatctt 360  
gnnnnnnnnn nnnnnnnnn nctatgatga gtgaaccttc cccagacttc tctttcttat 420  
tttgtaataa actctctagg gcca 444

&lt;210&gt; 313

&lt;211&gt; 594

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38298\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 39, 44, 264..296, 417..431, 524, 525, 537..569

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 313

ataccacttg tcagggcaca ggggactggc tgggcccna gggntgctcc ccacttgag 60  
cacaatgcct tctccacctg ccctcccact cttccagtcc aatccacgct gtcttctgtt 120  
gcaggactaa cctttgagaa atccttttgt gaagtcattg cctgctcaag aatgtacagt 180  
ggctcccca tgccttggag gccataaggc cagccagttc tagctctcta ttacctgtcc 240  
ccactcaact gactcatacc tgtnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnncgat 300  
gacgtcacc tctgtgcctg agttctccct gttgtctcaa agcggtaacc atcctcccc 360  
agaagctgtc cccagcgagc ctcccttctt tgtttgaatt ctctaataag agcaacnnnn 420  
nnnnnnnnnn ntagaacaca ttacagtat tactattttc taggatataa agtgccatat 480

210

atattttttaa ttccaatatt aataaatgta tgccaaacaa caannaaaaa aaaaaannnn 540

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc agctgcaagg aaacacatga gaac 594

<210> 314

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 38299\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (202)..(222)

<223> n is a, g, c or t

<400> 314

tgggcacctc agattgttgt tgtaaatggg cattccttct tctggtcaga aacctgtcca 60

ctgggcacag aacttatgtt gttctctatg gagaactaaa agtatgagcg ttaggacact 120

attttaatta tttttaattt attaatattt aaatatgtga agctgagtta atttatgtaa 180

gtcatattta tatttttaag annnnnnnnn nnnnnnnnnn nntgtattag ttttgaaata 240

ataatggaaa gtggctatgc agtttgaata tcctttgttt cagagccaga tcatttcttg 300

gaaagtgtag gcttacctca aataa 325

<210> 315

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 38315\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (213)..(213)

<223> n is a, g, c or t

211

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (170)..(170)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (417)..(469)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 315

agcttgcagg gagtaaagca ggccgcctc cctttcttcc catccacata ctctcttct 60

gctttccagt gactccacca gtttgatgtg ggaagtgtta gcttccttcc cttcttccat 120

cccttcttcc atctttccag ctgtcaaata caatccagtc tctaacctan atgcagatca 180

tttattttaa agtaccaaac ataaccaga gtntgtggaa tatgggcaac atatatatag 240

ccttctgtat ttaacgatct tctgcttctt aaccgtacca gtttcttatt tataactctt 300

atctatccat gatgttttaa agtctccact tgctgttatt taaaaacgac agtgcattca 360

gcagcccagt gccgtgagcc ctgacagatg ccgtatttct gaggcttcc atgtgannnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt tacctttgga 480

ctgcaacaaa aaatgtgaaa atgaagattt atttctttta atttacttaa aaagaaacct 540

ctgtgctagc aataaagcat ttat 564

&lt;210&gt; 316

&lt;211&gt; 399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38326\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (320)..(320)

&lt;223&gt; n is a, g, c or t

212

&lt;400&gt; 316

gacaggctct ccagaagcaa gccctgcagg agaaaggcaa gcagcaggac acggtcctcg 60  
gcggccgggc cctgtccaac cggcagcacg cctcctagga actgtgggag accagcggag 120  
tgggaggggag acgcagtaga cagagacaga ccgagaagga agggagagac agagggggcg 180  
cgcgcacagg agcctgactc cgtctgggaga gtgcaggagc acgtgctgtt ttttatttgg 240  
acttaacttc agagaaaccg ctgacatcta gaactgacct accacaagca tccaccaaag 300  
gagtttggga ttgagttttn ctgctgtgca gcaactgcatt gtcattgacat ttccaacact 360  
gtgtgaatta tctaaatgcg tctaccattt tgcactagg 399

&lt;210&gt; 317

&lt;211&gt; 570

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38332\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 296, 330..344, 439..519

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 317

cagggctctg ctagtgagct ggaccagtga ggcctacccc acacctgggc tctccacagc 60  
cccatcaaag aacagagagg aggaggaggg agaaatggcc accacatcac cccagagaaa 120  
tttctggaat ctgattgagt ctccactcca caagcactca gggttcccca gcagctcctg 180  
tgtgttgtgt gcaggatctg tttgccactc cggcccagga ggtcagcagt ctgttcttgg 240  
ctgggtcaac tctgcttttc ccgcaacctg gggttgtcgg gggagcgtg gcccgnaacgc 300  
agtggcactg ctgtggcttt cagggctggn nnnnnnnnnn nnnngaagcc tctgtctccc 360  
agctctctcc aggacaggcc cagtcctctg aggcacggcg gctctgttca agcactttat 420



213

gcggcagggg aggccgccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng catttctcct cagagaagcg 540  
ctgtgctaag gtgatcgagg accagacatt 570

<210> 318  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38430\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 35..58, 72, 78..80, 82, 83, 85, 147, 218, 224  
<223> n is a, g, c or t

<400> 318  
gatgcttttg taggtacctg gaaacttgte tccannnnnn nnnnnnnnnn nnnnnnnnaa 60  
gaagtaggag tnggcttnnn cnncnaggaa agtggctggc atggccaaac ctaacatgat 120  
catcagtgtg aatgggggatg tgatcancca ttaaactctga agtaccttt aaaaatactg 180  
agatttcctt catactgggc caggaatttg acgaagtnc a ctgncagatg acaggaaagt 240  
caagagcacc ataaccttag atgggggtgt cctggtacat gtgcagaaat gggatggaaa 300  
atcaaccacc ataaagagaa aacgagagga tgataaactg gtggtggaat gcgtcatgaa 360  
aggcgtcact tccacgagag tttatgagag agcataagcc aaggacgtt gacctggact 420  
gaagttcgca ttgaactcta caa 443

<210> 319  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38433\_at HG-U95Av2

214

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 116, 133, 179, 235, 246, 374

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 319

tgtttcaagg cactctagat tccattggtc caagattccg gatcctaagc atctaagtta 60

taagactctc acactcagtt gtgactaact agacaccaaa gttctaataa tttctnaatg 120

ttggacacct ttnaggttct ttgctgcatt ctgcctctct aggaccatgg ttaagagtnc 180

caagaatcca catttctaaa atcttatagt tctaggcact gtagttctaa gactncaaat 240

gttctnaagt ttctaagatt ctaaagggtcc acagggtctag actattaggt gcaatttcaa 300

ggttctaacc ctatactgta gtattctttg ggggtgccct ctcttctta gctatcattg 360

cttcctcctc ccnaactgt ggggggtgtgc ccccttcaag cctgtgcaat gcattagga 420

tgcctccttt cccgcagggg atggacgac tcccaccttt cggggccatgt tgcccccggtg 480

agccaatccc tcaccttctg agtacagagt gtggactc 518

&lt;210&gt; 320

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38438\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (103)..(164)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (166)..(166)

&lt;223&gt; n is a, g, c or t

215

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (176)..(203)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 320

agggtgctcag agagccggcc cgcctgaatc attctcgatt taactcgaga ccttttcaac 60  
ttggcttcct ttcttggttc ataaatgaat tttagtttgg tttnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntngctt actaannnnn 180  
nnnnnnnnnn nnnnnnnnnn nnntgctttc tgttgctcatt gctggtgtcc ctctgctacg 240  
ttcctattgt cattaaaggt atcacggctg ccacctggca ttccttctga ccacagcatc 300  
attttgcatt caaattaagg gttaagaaaa gagatatttt aaaatgagag tcaactgatg 360  
tgccat 366

&lt;210&gt; 321

&lt;211&gt; 320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38439\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (147)..(147)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 321

acacttggga tttttctcct ctgtcccgag gtcgtcgtct gctttctttt ttgggtttct 60  
ttctagaaga ttgagaagtg catatgacag gctgagagca cctccccaaa cacacaagct 120  
ctcagccaca ggcagcttct ccacagnccc cagcttcgca caggctcctg gagggctgcc 180  
tgggggagggc agacatggga gtgccaaggt ggccagatgg ttccaggact acaatgtctt 240  
tatttttaac tgtttgccac tgctgccctc acccctgccg ggctctggag taccgtctgc 300

216

cccagacaag tgggagtga

320

&lt;210&gt; 322

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38453\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 42, 50, 61..78, 168, 183, 205..328, 377, 378

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 380, 381, 403, 405, 412, 415, 416

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 322

cgtggcaatg agactctgca ctatgagacc ttcgggaagg cnagcccctn ctccgcagga 60

nnnnnnnnnn nnnnnnnnac agcacggctg acagagagga tggccaccgc aacttctcct 120

gcctggctgt gctggacttg atgtctcgcg gtggcaacat ctttcacnaa acactcagcc 180

ccngaagatg ttggagatct atgannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnag cggatgggca cctacgggggt gcgagcggct 360

tggaggaggc tgccccnngn nttccggcca tagcaaccat gantngcatg gnccnncacc 420

acggtggtca ctggaactca gtgtgactcc tcagggttga ggtccagccc tggctgaagg 480

actgtgacag gcagcagaga cttgggacat tgccttttct agcccgaata caaacacctg 540

gactt 545

217

<210> 323  
<211> 113  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38454\_g\_at HG-U95Av2

<400> 323  
cactggaact cagtgtgact cctcagggtt gaggtccagc cctggctgaa ggactgtgac 60  
aggcagcaga gacttgggac attgcctttt ctagcccgaa tacaaacacc tgg 113

<210> 324  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38463\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (182)..(208)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (271)..(341)  
<223> n is a, g, c or t

<400> 324  
tgtcaaagtg actgcgttca tcagttttac actggggctg ctacataata ttttcatttg 60  
aacgaagaac ttcaaaaagc acaggactag atgatctctg ttccttttgg ctctaatatg 120  
ctacaactgt aggccaatta tcactttacc aattaagagt taggccagat aagtgaaatt 180  
tnnnnnnnnn nnnnnnnnnn nnnnnnnnat aggccataaac tggatttcct tattccaaat 240  
cctgtctttt cccactatt ccattagacc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naaaatttct cccttatcta 360

218

ctgtgatgac ttcagaagat acaatgggtcc caggggccaa gtagaaagca tt 412

<210> 325

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 38466\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (184)..(226)

<223> n is a, g, c or t

<400> 325

tcactgtggc catcaggact ttccctgaca gctgtgtact cttaggctaa gagatgtgac 60

tacagcctgc ccctgactgt gttgtcccag ggctgatgct gtacaggtag aggctggaga 120

ttttcacata ggtagattc tcattcacgg gactagttag ctttaagcac cctagaggac 180

tagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaagg tagaaatgtc 240

tatgttttct actccaattc ataaatctat tcataagtct ttggtacaag 290

<210> 326

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 38488\_s\_at HG-U95Av2

<400> 326

tgtgctgtca aaacaagttt ttctgtcaag aagatgatca gaccttggat cagatgaact 60

cttagaaatg aaggcagaaa aatgtcattg agtaatatag tgactatgaa cttctctcag 120

acttacttta ctcatTTTTT taatttatta ttgaaattgt acatatttgt ggaataatgt 180

aaaatgttga ataaaaatat gtacaagtgt tgttttttaa gttgcactga tattttacct 240

219

cttattgcaa aatagcattt gtttaagggt gatagtcaaa ttatgtattg gtggggctgg 300

gtaccaatgc tgcaggcca 319

<210> 327

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 384\_at HG-U95Av2

<400> 327

acgccgagat gaccacacgg atggtggcgt ccaagatgga gctacacgcg ttatctacgg 60

gccgcgagcc ccgcgtggcc acggtcactc gcacacctgc ccagacgctc ttcagggtacc 120

agggccacgt ggggtgcatcg ctgatcgtgg gcggcgtaga cctgactgga ccgcagctct 180

acgggtgtgca tccccatggc tcctacagcc gtctgccctt cacagccctg ggctctggtc 240

aggacgcggc cctggcggtg ctagaagacc ggttcacgac gaacatgacg ctggaggctg 300

ctcagggggt gctgggtggaa gccgtcaccg ccgggatctt gggtgacctg ggctccgggg 360

gcaatgtgga cgcattgtgtg atcacaaga ctggcgccaa gctgctgcgg aactgagct 420

caccacaga gcccgatgaag aggtctggcc gctaccactt tgtgcctgga accacagctg 480

tcctgacca gacagtgaag ccact 505

<210> 328

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 38584\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (41)..(41)

<223> n is a, g, c or t

220

<400> 328  
tatttttcctg tcagcatctg agcttgagga tggtagtgag naaatgggcc agggcgcagt 60  
cagctccagt cccagagagc tcctctctaa ctgagagcaa ctgaactgag acagaggagg 120  
aaaacagagc atcagaagcc tgcagtgggtg gttgtgacgg gtaggaggat aggaagacag 180  
ggggccccc aa cctgggattg ctgagcaggg aagctttgca tgttgctcta aggtacattt 240  
tt 242

<210> 329  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38617\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 97, 99, 102..105, 107, 111, 115..140, 426, 430  
<223> n is a, g, c or t

<400> 329  
gagatagctc cctgagctgg gccatctgac ttctacctcc catgtttgct ctcccaactc 60  
attagctcct gggcagcatc ctctgagcc acatgtncng gnnnngnaaa ncctnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn actcttcato acaactagat ttgcctcttc taagtgtcta 180  
tgagcttgca ccatatttaa taaattggga atgggtttgg ggtattaatg caatgtgtgg 240  
tggttgattt ggagcagggg gaattgataa aggagagtgg ttgctgttaa tattatctta 300  
tctattgggt ggtatgtgaa atattgtaca tagacctgat gagttgtggg accagatgtc 360  
atctctgggc agagtttact tgctatatag actgtactta tgtgtgaagt ttgcaagctt 420  
gctttnaggn ctgagccctg gactcccagc agcagcacag ttcagcattg tgtggctggg 480  
tg 482



221

<210> 330  
<211> 371  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38631\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 68..83, 115, 116, 136..151, 153..180, 189

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 330

gctctacccc aggaaaatgt gagctcggtt tcctgctcgg catgtgctcc ccctaaggct 60  
ctgctccnnn nnnnnnnnnn nnngttcctt ctcagcctga gagggggccc ttcgnnctca 120  
ggcatgactc agcccnnnnn nnnnnnnnnn ngnnnnnnnn nnnnnnnnnn 180  
cttgggtcng tcccccttttc ccagggtactg ccttaciaag ctgtggccag gaagtggccg 240  
gtataaagga tgcccaagggt ctttgtacgt gtgtaggagt tagcgtgttt gatattgtta 300  
atataataat aattatTTTT tagagtactg ctttgtatg tatgttgaac aggatccagg 360  
tttttatagc t 371

<210> 331  
<211> 223  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38787\_at HG-U95Av2

&lt;400&gt; 331

tgccgaaaac tcgtcctccc gagagctgga tgacagcagc agtgagtcca gtgacctcca 60  
gctggaaggc cccagcacc ctagggctct ggacgagaac cttgctgacc cccaagcaga 120  
agacagacct ctggttttct ttgacctcaa gattgacaat gaaagtgggt tctcctgggg 180  
ctacccccac ccctttctaa tttagtctct gaggccaaa aag 223

222

<210> 332  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38880\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 68, 110, 118, 125, 184, 224  
<223> n is a, g, c or t

<400> 332  
gcacccacgg gtgtgctgga tactggagtt tgagaggagg gaggtgctgg ggccaaagga 60  
gacactanaa aagtggtaga tgggacaggt aagtggcaga ggtgaggggn taagttanaa 120  
tgtanaaggg cagtaattag gggtgagggga aaggagatag gggaccctag gaggtagagt 180  
gggnccatgt cgtgaggcag ttgaagagtt gaggaaaggt tttnctgggc cctactgctc 240  
ccctctgctg caggtaaagtc agagcagctt taccacagct tcaggccacg agag 294

<210> 333  
<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38916\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (31)..(52)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (250)..(282)  
<223> n is a, g, c or t

223

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (449)..(463)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 333

gaacctttca gtctccgcta gctctttcct nnnnnnnnnn nnnnnnnnnn nngttttatc	60
gttaagtgcc ccacagagac actttaccag gaggctggga gagttctcca gatttgggag	120
aggcgcagag acagtgtgtg agccgagccc tgtctcagca atccacctgg aggagctaga	180
gtatcctcct ccctttacca ttcagaccga gagaaaaagc ccagcttgtg tgcaccctcg	240
tgggggttaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttgtttt gatgtaaggc	300
tctgtggttt gggggggaac atctgtaaac attattagtt gatttggggg ttgtctttga	360
tggtttctat ctgcaattat cgtcatgtat atttaagtgt ctgttataga aaaccacac	420
ccactgtcct gtaaactttt ctcagtgtnn nnnnnnnnnn nnntcacatt ttaattgcc	480
cctcgtattt cacctctaca tttgaaatct ggcgtctgtt tcaagccagt gtgtt	535

&lt;210&gt; 334

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38944\_at HG-U95Av2

&lt;400&gt; 334

ctctcagaac atactgattg ggaggtgcgt gttcagcaga acctgcacac aggacagcgg	60
gaaaaatcga tgagcgccac ctctttaaaa actcacttac gtttgtcctt tttcactttg	120
aaaagttgga aggatctgct gaggcccagt gcatatgcaa tgtatagtgt ctattatcac	180
attaatctca aagagattcg aatgacggta agtgttctca tgaagcagga ggcccttgtc	240
gtgggatggc atttgggtctc aggcagcacc aactgggtg cgtctccagt catctgtaag	300
agcttgctcc agattctgat gcatacgg	328

224

<210> 335  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38970\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 55, 76, 77, 79  
<223> n is a, g, c or t

<400> 335  
accatccgtt gcagaagcct ccaggagcag caatcctaag agtgggaggc agccnaagac 60  
ccccttcctt caaaanncnt cccggaagtg gtttcaggcc ctctagttgc catgaccaat 120  
ttgtgtgtgt gtttaatttt tgcttcaagc tctgtagcag gacctgcccc acgcacaccc 180  
ctaccctctct gtgaggagct gtgggaagtg tgggtttgtc tccagaacag aagagaatga 240  
tggatattct ggotctgggg ccctctccac caccactcac agtagccttg ctgaagccat 300  
cacagatggg agaaggccat gccagccacg tccgccgagg ggcgccagcc tgaagctgcc 360  
aggccctgag gttcagaccc tggaccccat agctggaggc ctgtggtgcc agaagcccag 420  
attagggtgg ctgtccatcc ctggatagct atttgacga atcatggaca taa 473

<210> 336  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38971\_r\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 26, 47, 48, 50  
<223> n is a, g, c or t

225

<400> 336  
gcaatcctaa gagtgggagg cagccnaaga ccccttcct tcaaaanncn tcccggaagt 60  
ggtttcaggc cctctagttg ccatgaccaa tttgtgtgtg tgtttaattt ttgcttcaag 120  
ctctgtagca ggacctgccc cacgcacacc cctaccctc tgtgaggagc tgtgggaagt 180  
gtgggtttgt ctccagaaca gaagagaatg atggatatc tggctctggg gccctctcca 240  
ccaccactca cagtagcctt gctga 265

<210> 337  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39032\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 35..102, 123, 267, 270..287, 295, 298, 306  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> 313, 315..338, 430..445  
<223> n is a, g, c or t

<400> 337  
atgacacaaa actatgagag tgacaaaatg gtgannnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntgtagtgt aactattttg 120  
tancaataga ggactgtaac tactattttag gttgtacaga ttgaaattta gttgtttcat 180  
tggctgtctg aggagggtgtg gacttttata tatagatcta cataaaaaact gctacatgac 240  
aaaaaccaca cctaaagaaa ttttaangan nnnnnnnnnn nnnnnntca ctttngtngt 300  
aatctngaaa tcntnnnnnn nnnnnnnnnn nnnnnnnnaa tccttgttca ctgaagtctt 360  
tcaattgagc tggttgaata ctttgaaaaa tgctcagttc taactaatga aatggatttc 420

226

ccagtagggg nnnnnnnnnnn nnnnntgtat agtagttata tgcataatggt tctgtgcatg 480

ttctctacac aattgtaagg tgtcactgta ttttaactggt gcacttg 527

<210> 338

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 39070\_at HG-U95Av2

<400> 338

ggggccgtct tcctcctgtc tctttccttt caccctagcc tgactggaag cagaaaatga 60

ccaaatcagt atttttttta atgaaatatt attgctggag gcgtcccagg caagcctggc 120

tgtagtagcg agtgatctgg cggggggcgt ctcagcacc tcccagggg gtgcatctca 180

gccccctctt tccgtccttc ccgtccagcc ccagccctgg gcctgggctg ccgacacctg 240

ggccagagcc cctgctgtga ttggtgctcc ctgggcctcc cgggtggatg aagccaggcg 300

tgcacctc cgggagccct ggggtgagcc gccggggccc ccctgctgcc agcctcccc 360

gtccccaaca tgcattcac tctgggtgtc ttggtctttt attttttgta agtgtcattt 420

gtataactct aaacgcccat gatagtagct tcaaactgga aatagcgaa 469

<210> 339

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 39071\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (59)..(59)

<223> n is a, g, c or t

227

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (259)..(276)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 339

actcagtgtt ttggagagta ttccttttag tttgttggtt ggctggtttg aacgatagna 60

aatatgcagc atgcaatata tgcttatatt tcattttaat ttctgatata taatgaactt 120

cttgggagag gtactgaatc tttgatgttt tttgtcattg ttctcaagtg caatataaca 180

atgtaaccaa atctagataa tttcaaagtt gtcattaatt tagtaagcct aatataaaca 240

aatatttgta ttatttttnn nnnnnnnnnn nnnnnnttaa gtgaggttat ttaccctaa 300

atgggtccatt ctgcattgta tttcaggctg gaaatgaatt attctttacc agttttgaaa 360

cactttgaaa tatcctaagg taacttgga gctgtgtagt atatcaaatt aatttgctac 420

ctaataacat agaaagtaaa tatctttgtg gtcaccaca ttgggtgaga cagaaaat 478

&lt;210&gt; 340

&lt;211&gt; 398

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39081\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 82..100, 102, 103, 114..117, 119, 121, 142, 149..152, 154..156

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 158..160, 163, 165..170, 172..176, 178, 179, 181

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 183..188, 190..226, 323..351

&lt;223&gt; n is a, g, c or t

228

<400> 340  
gtgatcctta tcaggagag caggaatcct tattcccggg gtcgctagta ctcattctctg 60  
ccgcctcctg tctgccccca gnnnnnnnnnn nnnnnnnnnnn cncgaaccc gcgnnnnnanc 120  
ntgtcccgac tctagccgcc tnttcagcnn nncnnngnnn ccannnnnnn cnnnnncnnc 180  
ngnnnnnnncn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnaaat gcacctcctg 240  
caagaaaagc tgctgctcct gctgccctgt gggctgtgcc aagtgtgccc agggctgcat 300  
ctgcaaaggg gcgtcggaca agnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nccccgctcc 360  
cagatgtaaa gaacgcgact tccacaaacc tggatttt 398

<210> 341  
<211> 578  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39107\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (93)..(108)  
<223> n is a, g, c or t

<400> 341  
acttcagtgt cagtatccct gccttcagtc ttcttttagaa atcacatctg tgttcaatcc 60  
attgttttaga gggagtgtat ttttcctggt ccnnnnnnnn nnnnnnnngt tcacaattgg 120  
atcacaatgc agaggagtct gttcctcccc cgtcggcttc tcgggtgctgg gagggtgacc 180  
tgtcccagat gactcatcac cctgacatgc tcttgacaaa ggacaccacc aagaggagat 240  
ggcagctgta ccggtgcagc ctctgtctga gggggatatt tgccctcagtg tgattaaaaa 300  
tcagtcatga aagatttttg aattcagatt atttttatca ggaacagatt ttgaacatcc 360  
tgaaatcttt tccctggcat catattaggt tttctttggt cactatgatg taaagtttca 420



229

gactcttgat atttttaata tcaacataga cggtaggaca aggaacggta ccagaaatga 480  
gtaaagagac aataatgata agatcgattt atcaagacat aacaacccca aatgtatatg 540  
cactaaataa cagcttcaaa atacatgaag caaaatgg 578

<210> 342  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39119\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 26, 51, 53, 68..84, 86, 243  
<223> n is a, g, c or t

<400> 342  
gtccccggatg ttgaggatcc cgcaanccga ggagcctggg gagagctttt ntnacaaggt 60  
catgagannn nnnnnnnnnn nnnncntgca gcggtgcag acctggtggc acgggggttct 120  
ggcctgggtg aaggagaagg tgggtggcct ggtccatgca gtgcaggccc tctggaaaca 180  
gttccagagt ttctgctgct ctctgtcaga gctcttcatg tcctctttcc agtcctacgg 240  
agncccacgg ggggacaagg aggagctgac accccagaag tgctctgaac cccaatcctc 300  
aaaatgaaga tactgacacc acctttgc 328

<210> 343  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39120\_at HG-U95Av2

230

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (29)..(29)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (95)..(129)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 343

tgtcccgcgtg cgtgttttcc tcttgatcng ggaactcctg cttctccttg cctcgaaatg 60

gaccccaact gctcctgctc gcctgttgge tcctnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnna aatgcacctc ctgcaagaag agctgctgct cctgctgccc tgtgggctgt 180

gccaaagtgtg cccagggctg catctgcaaa gggacgtcag acaagtgcag ctgctgtgcc 240

tgatgccagg acagctgtgc tctcagatgt aaatagagca acctatataa acctgga 297

&lt;210&gt; 344

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39253\_s\_at HG-U95Av2

&lt;400&gt; 344

aagcagacag ctatcggaag aaggtagtgc tagatgggga ggaagtccag atcgatatct 60

tagatacagc tgggcaggag gactacgctg caattagaga caactacttc cgaagtgggg 120

aggggttcct ctgtgttttc tctattacag aaatggaatc ctttgcagct acagctgact 180

tcaggagca gattttaaga gtaaaagaag atgagaatgt tccatttcta ctggttggta 240

acaaatcaga tttagaagat aaaagacagg tttctgtaga agaggcaaaa aacagagctg 300

agcagtggaa tgtaactac gtggaaacat ctgctaaaac acgagctaata gt 352

231

<210> 345  
<211> 588  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39267\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (75)..(93)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (399)..(434)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (458)..(472)  
<223> n is a, g, c or t

<400> 345  
tgcacatgaa gtgagcttgg cagtatttca gctggctgga ggaattggag aaaggcccca 60  
accaggtttc tgaannnnnn nnnnnnnnnn nnnagaaact ggacttttta caagtcttta 120  
caaaactgtc aataataatg gcagtactaa gagatttata atcataatgt ttacaatgca 180  
gcctactgga ttgtctctag atctgttttt cttaaact aacagaataa ttctttataa 240  
ataggtaagc cttacacttg ttaaagaaat ttacctctaa tttcagtctc actaatgtaa 300  
aatactggga cttaagtata caattcagtc actaactgta cagttttatg tggggaacaa 360  
ttcatgcagg ctactggaaa attaaatctt attaccaann nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnncaagat gatgttttgc agcattcnnn nnnnnnnnnn nnaatggaga 480  
gggcagagaa gacttttatac aaccagtttt tccattgcag agtottaaga aagattatta 540  
gatgacttac ctatatggac taatgccatc caggaactca gaggtatg 588

232

<210> 346  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39300\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (125)..(163)  
<223> n is a, g, c or t

<400> 346  
gaggcaggaa tctccatttt tgtgcttttt gaaaatgcaa tgaattccta tacgggggag 60  
cgggaaaggt gcctcagaga gagacaagtc tggatgaggg aaatattgaa tattctcaat 120  
caaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngacttga aagacctgag 180  
tccattacgt tgagaaggga cctgctgatt gctttgattc cccctggcaa gtgctccctg 240  
gttgtgaatg ccaggcacta gagatggtga ggggttgggg ggcagttggg cacacacagt 300  
gtaagagcaa ttcagagccg ttagtcctgc actagccctc aagctgctgg caacacctag 360  
agaaggtcga agggccctgc cagagatccc 390

<210> 347  
<211> 398  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39310\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 45, 46, 56, 221, 222, 312..329, 335..352  
<223> n is a, g, c or t

233

&lt;400&gt; 347

gcaaagagcc cataaatcct gaccaatcca actctgaatt ttaanncaaa agcgtnaaaa 60  
aaaagattcc ctccttacct ccaacccact cttttttccc accaccact ctcctctgcc 120  
tcagtaagta tctggaggaa gaaaacaggt gaaagaagaa gtaaaaacca tttagtatta 180  
gtattagaat gaagtcaaac tgtgccacac atggtgaatg nnaaaaaaaaa aaaagaggct 240  
gtgttttgtc acacagggca gtcattcagc accagagcac gtgatggtct gagactctct 300  
taggagcaga gnnnnnnnnn nnnnnnnnng tgggnnnnnn nnnnnnnnnn nnggggcaac 360  
tgagtctgcg ggagaagagc ggccctatgc atggtgta 398

&lt;210&gt; 348

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39327\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 73, 209, 211, 302, 306, 307, 393

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 348

ggttccatca caagctatgt ttaaaaagaa aattggtggt tggcaaacgg aacagaacct 60  
ttgatgagag cgnttcacag ggacactgtc tgggggtgca gtgcaagccc ccggcctctt 120  
ccctgggaac ctctgaactc ctccttcctc tgggctctct gtaacatttc accacacgtc 180  
agcatctaata cccaagacaa acattccnc ntgctcgaag cagctgtata gcctgtgact 240  
ctccgtgtgt cagctccttc cacacctgat tagaacattc ataagccaca tttagaaaca 300  
gntttntttt cagctgtcac ttgcacacat actgcctagt tgtgaaccaa atgtgaaaaa 360  
acctccttca tccattgtg tatctgatac ctncgaggg ccaagggtgt gtgttgacaa 420  
cgccgctccc agccggccct ggttgcgtcc acgtcctgaa caagagccgc ttccggatgg 480

234

ctcttcccaa gggaggagga gctcaagtgt cgggaactgt ctaacttcag gttgtgtgag 540

tgcgt 545

<210> 349

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 39333\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (264)..(278)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (345)..(346)

<223> n is a, g, c or t

<400> 349

gaatgacttg acttcaaaag caacaacott aaaggccgtc atttcattag tattcctcat 60

tctgcatcct ggcttgaaaa acagctctgt tgaatcacag tatcagtatt ttcacacgta 120

agcacattcg ggccatttcc gtggttttctc atgagctgtg ttcacagacc tcagcagggc 180

atcgcatgga ccgcaggagg gcagattcgg accactaggc ctgaaatgac atttcactaa 240

aagtctccaa aacattttcta agannnnnnn nnnnnnnnat gtaatttctt taaatgtgta 300

tttcttaaga attcaaattt gtaataaaac tatttgtata aaaannaagc ttttattaat 360

ttgttgctag tattgccaca gacgcattaa aagaaactta ctgcacaagc tgctaata 417

<210> 350

<211> 382

<212> DNA

<213> Homo sapiens

235

&lt;220&gt;

&lt;223&gt; Probe 39397\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (142)..(202)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 350

atcttttaggt gaagtcgagc actctaatta gagaactgga ggaaccacat ataacactta 60  
acttccccta ccctgcccct ccccaaaaga aaccatgaca aacctagctt ttaaaaaata 120  
ttttaagaaa gagaatgaac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nngtgaactt ttgtaatttg aattgggtcc cgcttagttc 240  
ttgaattggt atgaaaatcc tatatctggt tgtatatattg caaaccttt gtattataat 300  
tggtgatatt ttcccttttt aaaaaatacc attgaaatca gcatgacaaa aataacactg 360  
ttggcactta taggtaacgt ga 382

&lt;210&gt; 351

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 393\_s\_at HG-U95Av2

&lt;400&gt; 351

atacctgttt ctttgggaca ttccgtcctg atgatttttt attggttggt ttttattttt 60  
ggggggaatg acatgttttg gtcttttata catgaaaatt tgtttgacaa taatctcaca 120  
caacatattt tacatctgag cacaatgcct ttttgtttac cgtagcgtat acatttgttt 180  
tgggattttt gtgtgtttgt tgggaatttt gtttttagcc aggtcagtat tgat 234

236

<210> 352  
<211> 550  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39402\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (51, 123..139, 272..274, 301..369)  
<223> n is a, g, c or t

<400> 352  
aatgtggact caatccctag ggctggcaga aagggaacag aaagggttttt nagtacggct 60  
  
atagcctgga ctttcctggt gtctacacca atgcccact gcctgcctta gggtagtgct 120  
  
aannnnnnnn nnnnnnnnnc agccaggaca gtcagctctc tcctttcagg gccaatcccc 180  
  
agcccttttg ttgagccagg cctctctcac ctctcctact cacttaaagc ccgcctgaca 240  
  
gaaaccacgg ccacatttgg ttctaagaaa cnnnccctctg tcattcgctc ccacattctg 300  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
  
nnnnnnnnna aggggggcaag aagtagcagt gtctgtaaaa gagcctagtt tttaatagct 420  
  
atggaatcaa ttcaatttgg actggtgtgc tctctttaaa tcaagtcctt taattaagac 480  
  
tgaaaatata taagctcaga ttatttaaata gggaatatatt ataaatgagc aaatatcata 540  
  
ctgttcaatg 550

<210> 353  
<211> 481  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39409\_at HG-U95Av2



237

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (262..285, 295..297, 302, 304..311, 313, 315..350)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 353

ctggacaccc atctctaaag caggacgcct gccaggggga tagtgggggc gtttttgcag 60

taagggaccc gaacactgat cgctgggttg ccacgggcat cgtgtcctgg ggcatcgggt 120

gcagcagggg ctatggcttc tacaccaaag tgctcaacta cgtggactgg atcaagaaag 180

agatggagga ggaggactga gccagaatt cactagggttc gaatccagag agcagtgtgg 240

aaaaaaaaa acaaaaaaca annnnnnnnn nnnnnnnnnn nnnnnagagt ctctnnnaaa 300

antnnnnnnn nanannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttgatgtact 360

ttacctgaaa caacccaaag ggccccttcc tttcttctga ggattgcaga ggatatagtt 420

atcaatctct agttgtcact ttcctcttcc actttgatac cattgggtca ttgaatataa 480

c 481

&lt;210&gt; 354

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39421\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (263)..(278)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (31)..(46)

&lt;223&gt; n is a, g, c or t

238

<400> 354  
gacggtataa cacatctact gaaaaagcaa nnnnnnnnnn nnnnnnattt aagccagccc 60  
ccacctaggg tctattttgtg tggcagttat tgggttttgtt cacaaaacat cctgaaaatt 120  
cgtgcgtggg cttctttctc cctggtacaa acgtatggaa tgcttcttaa aggggaactg 180  
tcaagctggg gtcttcagcc agatgacatg agagaatatc ccagaaccct ctctccaagg 240  
tgtttctaga tagcacagga gannnnnnnn nnnnnntcc acagtccacg gtacacagtc 300  
gggtggggccg cctcccctct cctgggagca ttggtcgtgc ccagcctgag cagggcagct 360  
ggactgctgc tgttcaggag ccaccagagc cttcctctct ttgtaccaca g 411

<210> 355  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39517\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (145)..(167)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (169)..(170)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (326)..(327)  
<223> n is a, g, c or t

<400> 355  
tcttaggggt cattatcact taaataatac tgtacctagg tctttcaaatt taaaattata 60  
cctgaatgaa gttgtttgtg tacataaagg atatttgtgt acaattacct tttttccccc 120

239

acacttgttt tctttgtttt tgttnnnnnn nnnnnnnnnn nnnnnntnn actatgggat 180  
tcatttatgt ctgtctttct atcataaaga attgatcaat atgtaaatat gtgatttgaa 240  
ccatggttga cttacaagtg tcactacagc tttttagaaa acatagccct aatatatgtt 300  
aagcaggacc cgggtgagcc agtggnttg cgctttatgt agagctggaa gaaggccgtc 360  
catcctgtct cttgggcgga cagtgtactt tcctaatagg gaagggaagc acaatggaaa 420  
taccctgaa ccg 433

&lt;210&gt; 356

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39532\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 41..62, 82..84, 92, 109, 112, 118, 397..411

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 356

attgccaccc tgaaccagct ctgtgccacc aagttccgag nnnnnnnnnn nnnnnnnnnn 60  
nncctcttcc tgtacaagga gnnnggctac cnccgctgc cccctgggnc cntggccnac 120  
aggctgcca ccaactggcta cctcgtctac cgccgggcag agtggcctga gaccagggg 180  
gctgtgacag aggaggagg cagtgggcag tcagaggcaa gaagcagagg ggaggagcaa 240  
gggtgccagg gagatgggga tgctggggtc aaagccagcc ccaggacat tcgggaacag 300  
tctgagaaa ctgctgaagg gggccagggt caagcccagg aaggccctgc tcagccaggg 360  
gaaccagagg cagagggaag ccgggcagca gaggagnnnn nnnnnnnnnn nagaagggtc 420  
attcggggcg ggagaccctg agcctgctga gaaatccttt tagcgccagc aagccccacc 480  
cagggcctg tcctgtgtct gccaccacct ttgtctgata cttgtttcca gggaagctgg 540

240

gggaactgcc acatctgagg aactggaata a

571

&lt;210&gt; 357

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39579\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (286)..(301)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 357

attcatactg tcagggctgt gctcaatgac tggatgttcc ctatatgcaa acaaaatcac 60  
aacggaattc tttgatcctc tctttgttga gcaaaagtat gaattaggag ccgctctgtt 120  
tattggatgg gcaggagcct cactgtgcat aattggtggt gtcataatctt gcttttcaat 180  
atctgacaac aacaaaacac ccagatacac atacaacggg gccacatctg tcatgtcttc 240  
tcggacaaaag tatcatggtg gagaagattt taaaacaaca aaccnnnnnn nnnnnnnnnn 300  
naaaaatgct tatgtctaaa agagctcgct ggcaagctgc ctcttgagtt tgttataaaa 360  
gcgaactggt caaaaaatga tcccatcaag gccctcccat aattaacact caaaactatt 420  
tttaaaatat gcatttgaag catctgttga ttgtatggat gtaagtgttc ttacatagtt 480  
agttatatac taatcatttt ctgttgtggc t 511

&lt;210&gt; 358

&lt;211&gt; 556

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39633\_at HG-U95Av2

241

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26, 28, 30..44, 60, 201, 213, 229, 232, 272, 440

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 358

gacaaataca agctctgcca ggcgngntn nnnnnnnnnn nnnngaagga gctggccacn 60

tggaccccga ctgagtttcg ggaatgtgac tacaacaaat tcatgagtgt tctggacacc 120

aacaaggact gcgagggtga ctttgtggag tatgtgcgct cacttgctg cctctgtctc 180

tactgccacg agtacttcaa nggactgccc ctncagagcc ccctgctnc cnagtagcct 240

ctgctccagg ggggtgcgctg gctgtcgggg gnetgggcat gtctcccaca cccctccta 300

ccctctctcc tgtaccctt tcaatctgga cttgcccagg tcttctgcga tcagttaacc 360

cattttacct aggaggccca gagatgtgag ggctccttcc tcaggatgcc cagcgaatga 420

ggggtagagc cactctgggn ccagcctgc ctgccgcacc cctgtggcct cccttgtgga 480

tgggaggagg cgggatctgc tctgaggccc tcgaggctca gcagagcgtg caccaatgag 540

accacgatgg gaaagg 556

&lt;210&gt; 359

&lt;211&gt; 542

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39640\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26, 53..55, 59, 60, 89, 129, 138, 144, 145, 159..219, 344

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 484..512

&lt;223&gt; n is a, g, c or t

242

&lt;400&gt; 359

```
atacagctct cttcagagta actgtnaacc ttttataacc aacactagag ttnnnntttnn      60
aaaagacaag atattttataa tgacgactng tatagctttt aagttatttt tctagtatgt      120
ggctttctnt agccgtgnta acgnncaaac tgttcacn   nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gcacaaggca ttggccctct      240
ggactccttt ctcccttttct ttcctctcta ggctgctcct gaatcctggt ctctgacatc      300
cgtggagccc ctctgcac   cacctatgcc tcctataagt ccanttgaaa tctcagcctc      360
cttcaacatt ttcttctcgt gtgtggccca catccctcca cttctccaac ttctgtttaa      420
tctgatcacg gctcttttta agccctggca gcattttggt ccctgctcct tgcccatagt      480
aaannnnnnn nnnnnnnnnn nnnnnnnnnn nnagtttcaa gtgggcaact ctgctctcta      540
tt                                          542
```

&lt;210&gt; 360

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39663\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (113)..(176)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 360

```
ggtcagttat ccttctctcc ttagccacat aacttcttct ctcatgaatc atccagtcac      60
tccaatggca aataagttct cctcacctac ccttgagctg caaggtgaat tcnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaggt      180
gggcaatggg cactccaatg aggcagcctt gatcctccac agaaaagggt ttgattgtcg      240
gttctctagc aaaggcacag ggctgttttg ttctactact cagggaaga tattggtaca      300
```

243

gaaacttttta aacaagttta ttgtcgaaag tctcacacct tcatcactat ccttgatgca 360  
ttcacctccc ggcactcaga atataagtga gatcaacttg agtccaatgg aaatcagcac 420  
attccgaatc cagttgaggt gaacctgact ttcacatttg gattgagaat cattggcttt 480  
tatacctttc ttggtttgac gtgcaataaa gaagcacatt attttagctt ctggctactg 540  
tgag 544

<210> 361  
<211> 405  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39680\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 151..165, 331, 333, 359  
<223> n is a, g, c or t

<400> 361  
gtctcatctt gagtaaaaga gaaccagcc aactatgaag ttccttgtct ttgccttcat 60  
cttggtcttc atggtttcca tgattggagc tgattcatct gaagagaaat ttttgcgtag 120  
aattggaaga ttcggttatg ggtatggccc nnnnnnnnnn nnnnnagaac aaccactata 180  
cccacaacca taccaaccac aataccaaca atataccttt taatatcatc agtaactgca 240  
ggacatgatt attgaggctt gattggcaaa tacgacttct acatocatat tctcatcttt 300  
cataccatat cacactacta ccactttttg nangaatcat caaagagcaa tgcaaatgna 360  
aaacactata atttactgta tactctttgt ttcaggatac ttgcc 405

<210> 362  
<211> 511  
<212> DNA  
<213> Homo sapiens

244

&lt;220&gt;

&lt;223&gt; Probe 39681\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 63, 125..140, 157..171

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 362

tgcagcagca catggaggtc cacgcgggcg tgcgcagcta catctgcagt gagtgcgaacc	60
gcnccttccc cagccacacg gctctcaaac gccacctgcg ctcacatata ggcgaccacc	120
cctannnnnnn nnnnnnnnnn ggcagctgct tccgggnnnn nnnnnnnnnn nagagccaca	180
aacgcattcca cacgggtgag aaacctacg agtgcaatgg ctgtggcaag aagttcagcc	240
tcaagcatca gctggagacg cactataggg tgcacacagg tgagaagccc tttgagtgtgta	300
agctctgccca ccagcgctcc cgggactact cggccatgat caagcacctg agaacgcaca	360
acggcgccctc gccctaccag tgcaccatct gcacagagta ctgccccagc ctctcctcca	420
tgcagaagca catgaagggc cacaagcccg aggagatccc gcccgactgg aggatagaga	480
agacgtacct ctacctgtgc tatgtgtgaa g	511

&lt;210&gt; 363

&lt;211&gt; 331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39728\_at HG-U95Av2

&lt;400&gt; 363

tgtgccctgg gtcaccgtca atgggaaacc cttggaagat cagaccagc tccttaccct	60
tgtctgccag ttgtaccagg gcaagaagcc ggatgtctgc ctttcctcaa ccagctccct	120
caggagtgtt tgcttcaagt gatggccggg gagctgcgga gagctcatgg aaggcgagtg	180
ggaaccgggc tgctgcctt tttttctgat ccagaccctc ggcacctgct acttaccaac	240



245

tggaaaattt tatgcatccc atgaagccca gatacacaaa attccacccc atgatcaaga 300  
atcctgctcc actaagaatg gtgctaaagt a 331

<210> 364  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39742\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (143)..(143)  
<223> n is a, g, c or t

<400> 364  
ggaaaatcta gtttcacagc tatttgaatt tttttctgga ttactatat aactcttatt 60  
ttttaaaaga tcattctggt ctttcaagga gaaataagcc taaaagaaga aaaacaaaaa 120  
aaattctgta taaaactgta atncctttgt attcatgttt acagtgtat tactataatt 180  
caaaattatg tatgtgactt agagttatat aatcataatt tatgtttatt tcaaatatct 240  
aagtttattg cttggatttc tagtgagagc tggtgaattt ggtgatgtca aatgtttcta 300  
gggttttttt agtttgtttt tattgaaaaa ttttaattatt tatgctatag gtgatattct 360  
ctttgaataa acctataata gaaaatagca gacaacataa acatctttgt aaatatcaaa 420  
cctaatacat ttcttgtcca gtgataaaac aactgg 456

<210> 365  
<211> 207  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39781\_at HG-U95Av2

246

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 125, 157, 165, 168..177

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 365

actcccctgg gcatcttctg gcttgactgg atggaaggag acttaggaac ctaccagttg 60

gccatgatgt cttttcttct ttttcttttt ttttaacaaaa cagaacaaaa ccaaaaaatg 120

tccanaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa aaaanaannn nnnnnnnatc 180

cagtcaagcc atgatgtctt ttcttct 207

&lt;210&gt; 366

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39791\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 86, 95, 97..104, 120..137, 147, 148, 164..194, 307..350

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 366

gtaacagaca ttgttttgcc aacattgcct atttcagtgg cacgtcatct agttttaaaa 60

aaataaaaca ttttaaattg acaganaaaa aaaanannnn nnnntttaac tcgtaagtgn 120

nnnnnnnnnn nnnnnngac atgtccnct ttctctccag ttcnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnagttgt actctgcttg aggggaagaa ggctcctgot ctgctgtgta 240

ggtagtcata ggaattgtat tcttaatgta caggcactaa ttgtcatctg tgatgtacat 300

tttatgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tatgtgtgtg 360

tatgtgtgtg ttttgtaaaa tctgtaaata gcacatgacc aaatgaacat attg 414

247

<210> 367  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39805\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 49..169, 172, 178, 221, 222, 228, 230  
<223> n is a, g, c or t

<400> 367  
aggcatccat gatgccatta tggttttccc tgaagggtac aggacacann nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt cnaatganag 180  
ggccatccag gcttctctgg ccaaagtctg tgccaaccgc nccaccntn gtagtggcac 240  
acaggctctc aactgtgggc aatgctgacc agatcctcgt catcaaggat ggctgcatcg 300  
tggagagggg acgacacgag gctctgttgt cccgaggtgg ggtgtatgct gacatgtggc 360  
agctgcagca gggacaggaa gaaacctctg aagacactaa gcctcagacc atggaacggt 420  
gacaaaagtt tg 432

<210> 368  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39826\_f\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 95..127, 142, 145, 146, 148, 150..152, 157, 161..163, 166  
<223> n is a, g, c or t

248

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 167, 172..174, 177, 180, 182, 183, 185, 187, 191, 194, 196

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 203, 241, 243, 253, 283, 303

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 368

cttaaagcga gctgccaggt gtaatttttc aagtgtcaaa gatcccaagt gatccctgac 60

accacccct tctactctt acattcatgc gtctnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnntgc tccgatcaga anaannanan nnaaaanaac nnncanncac annnggncen 180

tnnanancag naananacac aanccacctc cacgacctcc gacctcccc ctcctccgg 240

ntngctctga ggnagcacgt gcctcttctt tcacctggg ccnggctggg gcgggagcag 300

ccnagctgct ctctggatgt cacaccactg ttaactgtca 340

&lt;210&gt; 369

&lt;211&gt; 583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39878\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 86..124, 148..151, 159, 164, 167, 169, 170, 174..176

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 178, 179, 182..189, 191..198, 214..217, 220, 229, 231

&lt;223&gt; n is a, g, c or t

249

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 276, 286, 330..347, 474..511, 515..518

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 369

```

atggatgtca atgacaccag cccagttgtc atttctccac cgtctaatac ttcctttaag      60

ttggtgcccc tctcagccat tcctgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120

nnnnctggaa tgaacgctga actaaagnnn nctatagtna gtgnaancnn taannncnna      180

tnnnnnnnng nnnnnnnnac aggtaacatt actnnnnaan aaaaaccanc ncctactgat      240

gtgggattgc atcgtttggt ggtcaacata agtgancctg gggtanccct aagtctttgc      300

acacgcttgt gcttgtattc ctttatgttn nnnnnnnnnn nnnnnnnngcc tcctatatct      360

atgacttgat cgcgaggact atggagaccc cgttggacag gaacataggg gatagtagcc      420

aacccatca aaatgaggac tatctaacca tcatgattgc catcatcgcc ggtnnnnnnn      480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nggtnnntg tcgccatgca tcaaggttca      540

aagcagctca gaggagcaag caaggtgccg aatggatgtc ccc                        583

```

&lt;210&gt; 370

&lt;211&gt; 268

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39959\_at HG-U95Av2

&lt;400&gt; 370

```

cttatggcat tgacaaagag aagaccatcc accttaccct gaaagtgggtg aagcccagtg      60

atgaggagct gcccttgttt cttgtggagt caggtgatga ggcaaagagg cacctcctcc      120

aggtgcgaag gtccagctca gtggcacaag tgaaagcaat gatcgagact aagacgggta      180

taatccctga gaccagatt gtgacttgca atggaaagag actggaagat gggaagatga      240

tggcagatta cggcatcaga aagggcaa                                268

```

250

<210> 371  
<211> 331  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39966\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (99)..(100)  
<223> n is a, g, c or t

<400> 371  
caggctgact tggatgtgaa ctgtcttcag aataatttaa cctaaagcag agcaagaaga 60  
gaggaagcgg gggtagtggg tggggggtag gggaagaann attatctcct cttgtacaga 120  
gtctattttct tgtaaccatt tgttaaactc tttctttttt ctgatctcat ggcattgcttt 180  
tatgtattttt gtacaggagg caaaaaaaaaat acttaaaata agcaaagaaa ctgaacagaa 240  
ttgcatacat tgggttggtt tttctgtgct gtctgtacat tgcttctgct gctgtgattt 300  
ctaaacctgt gctgttattc aactgacttt t 331

<210> 372  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40049\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (141)..(141)  
<223> n is a, g, c or t

251

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (216)..(216)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (234)..(253)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 372

```
cctccagggt gattttatga tcagtgttgt tgctctagga agacattttt ccgtttgctt      60
ttgttccaat gtcaatgtga acgtccacat gaaacctaca cactgtcatg cttcatcatt      120
ccctctcatc tcaggtagaa nggttgacac agttgtaggg ttacagagac ctatgtaaga      180
attcagaaga cccctgactc atcatttgtg gcagtnccct tataattggg gcannnnnnn      240
nnnnnnnnnn nnnttagatc ctggtttcat aacttcctgt acttgaagtc taaaagcaga      300
aaataaagga agcaagtttt cttccatgat tttaaattgt gatcgagttt taaattgata      360
ggagggaaca tgtcctaatt cttctgt                                           387
```

&lt;210&gt; 373

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40051\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (109)..(109)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (116)..(116)

&lt;223&gt; n is a, g, c or t

252

&lt;400&gt; 373

tcattgtcca ggaataagat tggcgtggtg cccatgacat caccgtcact ctgcctaaaa 60  
gcactctaga gctacttggt cacgtggaga ggaaggatat ttgccaanc aacagnccgc 120  
agggtggagag ccctgttcac ctgatagggt ctagctgtga cagtaaataat aataccgctg 180  
tttccttggg tacagatttg agtgttcatg tgatgagact gtaaacctca tttttcgggt 240  
cctctgttta aaaaaacatc tgaaggatga actaaggctg ctggtgccct gagcaactga 300  
taatgcaa atgtggacaaag tgtctgtttt ctactctagc ctgttcatat ggaccaaatt 360  
tcaacaagga actcaaggaa aatttgtacc tgccgtattt atgctttcat gtaaaa 416

&lt;210&gt; 374

&lt;211&gt; 594

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40069\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 29, 438..467, 478..493, 539, 541, 552..555

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 374

ctgccttctt gttccagcta ggcaatgcnt tttttttttt ttttgaagca gttctcttta 60  
taaagtgtta ttttgatagt ttgtggattc taaaatata atataattat ataaacacca 120  
tataagtcaa atatgtattt aacaaagcaa tatgtattca ttcactttca agatttggtt 180  
tggtgtcaaa ataacatgaa aaggtagatg gagttgcttc tgttgaatta gctctgccac 240  
caatatgtat cttcatacac gtttggaat gtttcctgca gcattaggta tgacttggtc 300  
tgagtactgc ttccggtgct aaaatgaaca aagaatttgt acttaatggc atggactctg 360  
gagaatctat gcgaatcaac ctttctacct taatatctcc caaaaaatgt atagtgcctt 420



253

gtttttatgt acagttttnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnatg atggttttnnn 480  
nnnnnnnnnn nnnttttact ctcaaatagt caaaataaaa acatctcaat ttctaataanc 540  
ngttgtaaac annnngtaca catgtcattt tgtgatatag gactcccaaa taaa 594

&lt;210&gt; 375

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40088\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 58..75, 78, 79, 81..85, 85..91, 93

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 94, 97..120, 122..125, 151..214

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 375

atgtatacag ttgcaagtct ggacaaatgt atagaataaaa ctttttattt aagttgttnnn 60  
nnnnnnnnnn nnnnnaanng nnnnnngggnn ncnntgnnnn nnnnnnnnnnn nnnnnnnnnnn 120  
tnnnnacaaa tcagatcaga tgttcacctt nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnttgatt cgaagggtct taaagaattt 240  
ttttaatcgt caaccacttt taaacataaa gaattcacac aactactttc atgaattttt 300  
taatccatt gcaaacatta ttccaagagt atcccagtat tagcaatact ggaatatagg 360  
cacattacca ttcatagtaa gaattctggt gtttacacaa ccaaatttga tgcgatctgc 420  
tcagtaatat aatttgcoat ttttattaga aatttaattt cttcatgtga tgtcatgaaa 480  
ctgtacatac tgcagtgatga atttttttgt tttgtttttt aatcttttag tgtttacttc 540  
ctgcagtgaa tttg 554

254

<210> 376  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40091\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (275)..(309)  
<223> n is a, g, c or t

<400> 376  
aaaggctcga ttttgtatct gcaggcagac acggatctga gaatctttat tgagaaagag 60  
cacttaagag aatatttttaa gtattgcatac tgtataagta agaaaatatt ttgtctaaaa 120  
tgccctcagtg tatttgtatt tttttgcaag tgaaggttta caatttaciaa agtgtgtatt 180  
aaaaaaaaaca aaaagaacaa aaaaatctgc agaaggaaaa atgtgtaatt ttgttctagt 240  
tttcagtttg tatatacccg tacaacgtgt cctcnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnng cgagcgtgca ccaccccttt ttgaagtgtg ggcagacaca gggacttgaa 360  
gttgttacta actaaactct ctttggggaat gtttgtctca tcc 403

<210> 377  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40126\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (60)..(111)  
<223> n is a, g, c or t

255

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (176)..(220)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (229)..(246)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 377

ttaattaggg atcttgctgc ttttcttttt ctacacgaag ttttcattaa agccacagan 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttaaagtaa 120

ttagaaacta tttgaggcta taaaaatgtc cttgagtttg gagcctgagc tctggnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agagtaagnn nnnnnnnnnn 240

nnnnnntatc cgttcttcac ttagcaggaa tatgaaagaa aggcacatgt ttaagaggaa 300

tacctaaagg tttttctaaa ttccaacatt taaaaggcaa ttgtgggcta tttttatttt 360

ttaatatttt gaaataaagt ttagtgtcta gggctgggag ccaggactga tcttccattt 420

ctt 423

&lt;210&gt; 378

&lt;211&gt; 483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40153\_at HG-U95Av2

&lt;400&gt; 378

ggctactccc ctcagtgtt ctcacaccc agcacctcag cctgggtggag caggctgacc 60

acatcctctt tctggaagga ggcgctatcc gggagggggg aaccacaccag cagctcatgg 120

agaaaaagg gtgctactgg gccatggtgc aggctcctgc agatgctcca gaatgaaagc 180

cttctcagac ctgcgcactc catctccctc ccttttcttc tctctgtggt ggagaaccac 240

256

agctgcagag taggcagctg cctccaggat gagttacttg aaatttgcct tgagtgtggt 300  
acctcctttc caagctcctc gtgataatgc agacttcctg gagtacaaac acaggatttg 360  
taattcctta ctgtaacgga gtttagagcc agggctgatg ctttggtgtg gccagcactc 420  
tgaaactgag aaatgttcag aatgtacgga aagatgatca gctattttca acataactga 480  
agg 483

&lt;210&gt; 379

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40171\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (32)..(46)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 379

aatgtatgcg ccagggtgct tccgtggggc annnnnnnnn nnnnnnccat ccaagcccaa 60

ggacctggga taaactggga gaactatggc agctacttgc atcgacttgt acctcactta 120

gcccttggg 129

&lt;210&gt; 380

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40177\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (126)..(142)

&lt;223&gt; n is a, g, c or t

257

<400> 380  
atattatact ttagggcaac cctagttggc agctttgaga gaagttcttc attacagaag 60  
  
aattccatta aacatggaag gaataactaa actaaaaatc atcactttgc aattctgaat 120  
  
gaaatnnnnn nnnnnnnnnn nnatttatta ttggataaaa ccatcagata taaggttaat 180  
  
agggaacttg acagcagaca gagggaagag 210

<210> 381  
<211> 481  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40199\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (110)..(235)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (318)..(324)  
<223> n is a, g, c or t

<400> 381  
gtttcacctc tttgctccct gagttcactc tccgaagtct gatccctgcc aaaaagtggc 60  
  
tggaagagtc ccttagtact cttctagcat ttagatctac actctcgagn nnnnnnnnnn 120  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnaagaa 240  
  
aagcgcagag aaatcgggtg ctgacgattt tggaaatgag aacaatctca aaaaaaaaaa 300  
  
aaaaaaaaaa aaaaaaannn nnnngaaaag agaaaaaaaa gactagccag ccaggaagat 360  
  
gaatcctagc ttcttccatt ggaaaattta agacaagttc aacaacaaaa catttgctct 420  
  
ggggggcagg gaaaacacag atgtgttgca aaggtaggtt gaagggacct ctctcttacc 480

258

a

481

<210> 382  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40214\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (220)..(253)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (45)..(45)  
<223> n is a, g, c or t

<400> 382  
gctacgtaag gcagcccggtg aaccaagcct actttttctg tcatntgatt caccatgtca 60  
gtaagcgtat ctggaattac tcttattcca ctatcacaaa tccatataag atcatacttt 120  
gcaacttcat atcctggcat taaattatta attttaggat taatgccaac ttttttgcca 180  
cctataaaca atctagcatc aacatttgga tattttccan nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nntcatgatc ttgtacacaa aggagcactt catatttggg ataatccaat 300  
tcaaagaatg tttccagggt gttgattaag ttaggatcta cccctttcag tggtttcaga 360  
agagagacac ctgggagctt gctataaggc tgtttgtcag ttgccttctt gttgaggt 418

<210> 383  
<211> 539  
<212> DNA  
<213> Homo sapiens

259

&lt;220&gt;

&lt;223&gt; Probe 40215\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (422)..(445)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 383

caatgtccac tcaagttgca atgcaaaaact ctggctcata ttcaatttct cagtttcaat 60  
ccagaatgat caggtggacc aaactacgaa ttaacatgct tcctgctaca ataatttgtg 120  
agccaatttc agaatgcttt gttgccagtt taattattgg atgggcagcc caccatgtgt 180  
tcagatggga tattatggta tttttcatgt gtcattgcct ggcattggtt atatttgact 240  
acattcaact caggggtgtc caggggtggca cactgtgttt ttcaaaaactt gattatgcag 300  
tcgcctgggt catccgcgaa tccatgacaa tatacatttt tttgtctgca ttatgggacc 360  
caactataag ctggagaact ggtcgctaca gattacgctg tgggggtaca gcagaggaaa 420  
tnnnnnnnnn nnnnnnnnnn nnnnntgact gtatataaag gaaaaaagag aagtattata 480  
aattatgttt atataaatgc ttttaaaaat ctaccttctg tagttttatc acatgtatg 539

&lt;210&gt; 384

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40236\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (54)..(55)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 384

ctttcctcgt gttgggcctg agtgtcttga ccacttacgg agttcatgcc atcnncaggc 60

260

tggaggcctg gagcctcgct ctctcgcgc tgtttcttgt tctcttcgtt gccatcgttc 120

tcaccatctg gaggcagccc cagaatcaac gaaaagtagc cttcatgggt ccattct 177

<210> 385

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 40240\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (233)..(284)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (299)..(313)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (315)..(315)

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> (317)..(317)

<223> n is a, g, c or t

<400> 385

tctcgctgcc tcacaagcag tgacacctcg ggtcctttcc gttgctatgg tgaaaattcc 60

tggaatggaat ggatcacatg aggggtttctt gttgcttttg gaggggtgtgg gggatatttt 120

gttttggttt ttctgcaggt tccatgaaaa cagccctttt ccaagcccat tgtttctgtc 180

atggtttcca tctgtcctga gcaagtcatt cctttgttat ttagcatttc gannnnnnnn 240



261

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnacctct agcatcgann 300  
nnnnnnnnnn nnntnancgt acggcatgga atgtataaat gaggggtgggt ccttctgcag 360  
atactctaata cactacattg ctttttctat aaaactaccc ataagccttt aacctttaaa 420  
gaaaaatgaa aaagggttagt gtttgggggc cgggggagga ctgaccgctt cataagccag 480  
tacg 484

&lt;210&gt; 386

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40290\_f\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 43, 46..51, 53..57, 73, 112, 119, 120, 122

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 386

agacaggaca gtttcccagg aagatgggca gagacttgag tngcnnnnn nnnnnncac 60

agagacgtgc cangcggtgt tggcgctcgg ggcgagatgc tgcccttctt tngcacgann 120

cntggcctct tgcttggcgt gataaccctg tcattctccc aaagctcatt tatgagccac 180

cagaggctcc t 191

&lt;210&gt; 387

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40310\_at HG-U95Av2

262

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (26)..(113)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (236)..(260)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 387

tttccgtctt tttgatgaga acaatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaagacct 120

acctggagtg gcccatggac gaggctcagc gggaaggatt ttgggtaaat ctgagagctg 180

cgataaagtc ctaggttccc atatttaaga ccagtctttg tctagttggg atcttnnnnn 240

nnnnnnnnnn nnnnnnnnnn attcagacat aattatataa aaactacgtg gatgtaccgt 300

catttgagga cttgcttact aaaactacaa aacttcaaatt tttgtctggg gtgctgtttt 360

ataaacatat gccagattta aaaattgggt tttgggtttt cttttttcta tgagataacc 420

atgatcataa gtct 434

&lt;210&gt; 388

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40314\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (42)..(79)

&lt;223&gt; n is a, g, c or t

263

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (81)..(82)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (272)..(299)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (219)..(219)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 388

ctgtgggccca agacaccagc cctgtcctag cccttcagta annnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnng nnaagacaag cccctcagca ggagagaggc ccagaggctc 120

cagctggcca ccgtgccccca caagatggcc cctgtgtggt tccctttacc ttggcttcct 180

ggcccagtcc ctgcctctcc acctgcaccc tgcttcctng gcccagtccc aggttggagt 240

ccctctgcat agctgactac tcatgcattg cnnnnnnnnn nnnnnnnnnn nnnnnnnnnc 300

aacaccaaac gtggttgcca catttcatca gacagacacc tccctctgga gatgcagttg 360

agtgacaacc ttgttacatt gtagcctaga ccaattctgt gtggatattt aagtgaacat 420

gtttacaatt tttgtatata tcactctctc cctctcctga aagaccagag attgtgtatt 480

ttcagtgtcc catgttccga ctgc 504

&lt;210&gt; 389

&lt;211&gt; 172

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40322\_at HG-U95Av2

264

&lt;400&gt; 389

ttgctgtctg atctttgtag actgttcctg ttgctggga gcttctctgc tgcttaaatt 60

gttcgtcctc ccccaactccc tcctatcggt gggttggtcta gaacactcag ctgcttcttt 120

ggtcacacct gttttctaac tttatgaact ccctctgtgt cactgtatgt ga 172

&lt;210&gt; 390

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40333\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 32, 36, 48, 67..90, 93, 99, 101, 241..260, 479, 497

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 390

agcatcactc acagcggggc aggaagaaga anaagnactg ccggcgcnac tcgctctatg 60

tggaactnnnn nnnnnnnnnn nnnnnnnnnn ctnggatnt nggccccacc aggctaccag 120

gccttotact gccatgggga ctgccccctt ccactggctg accacctcaa ctcaaccaac 180

catgccattg tgcagaccct ggtcaattct gtcaattcca gtatcccaa agcctgttgt 240

nnnnnnnnnn nnnnnnnnnn catctccatg ctgtacctgg atgagtatga taagggtgga 300

ctgaaaaatt atcaggagat ggtagtagag ggatgtgggt gccgctgaga tcaggcagtc 360

cttgaggata gacagatata cacaccacac acacacacca catacaccac acacacacgt 420

tcccatccac tcaccacac actacacaga ctgcttcctt atagctggac ttttattna 480

aaaaaaaaa aaaaaangga aaaaatccct aaacattcac cttgacctta tttatgactt 540

tacgtgc 547

265

<210> 391  
<211> 508  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40362\_at HG-U95Av2

&lt;400&gt; 391

tgctcacttgg tgatacagct ctgcagaacc tggagcagct gctagacggg ccagaagccc 60  
agggcagctg ggcagagctg gcagagcgtc tggggctgcg cagcctggta gacacgtacc 120  
gacagacaac ctcacccagt ggcagcctcc tgcgcagcta cgagctggct ggcgggggacc 180  
tggcaggtct actggaggcc ctgtctgaca tgggcctaga ggaggagtg aggctgctga 240  
ggggtccaga aacccgagac aagctgccca gcacagaggt gaaggaagac agtgcgtacg 300  
ggagccagtc agtggagcag gaggcagaga agctgggccc accccctgag ccaccaggag 360  
ggctctcgca cgggcacccc cagcctcagg tgactgacct gctgcctgcc cccagccccc 420  
ttcccggacc ccctgtacag cgtccccacc tatttcaaatt cttatttaac accccacacc 480  
caccctcag ttgggacaaa taaaggat 508

<210> 392  
<211> 494  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40367\_at HG-U95Av2

&lt;220&gt;

<221> misc\_feature  
<222> 156, 160, 162, 163, 383..405  
<223> n is a, g, c or t

&lt;400&gt; 392

gtgtctccaa gagacatgtt aggataagca ggtctttgca ccaagatgaa cacagctggt 60  
cacagataag gccattgcta gtaacttttg gccatgatgg aaaagggcac cctctccaca 120

266

aaagagaaaa acgtcaagcc aaacacaaac agcggnaacn gnnttaagtc cagctgtaag 180  
agacaccctt tgtacgtgga cttcagtgac gtgggggtgga atgactggat tgtggctccc 240  
ccgggggtatc acgcctttta ctgccacgga gaatgccctt ttcctctggc tgatcatctg 300  
aactccacta atcatgccat tggtcagacg ttgggtcaact ctgttaactc taagattcct 360  
aaggcatgct gtgtcccgac agnnnnnnnnn nnnnnnnnnn nnnnntacct tgacgagaat 420  
gaaaaggttg tattaaagaa ctatcaggac atggttgtgg agggttgtgg gtgtcgctag 480  
tacagcaaaa ttaa 494

&lt;210&gt; 393

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40370\_f\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (322)..(366)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (291)..(291)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 393

atcatactga cctggcagcg ggatggggag gaccagacc aggacgtgga gctcgtggag 60  
accaggcctg caggggatgg aaccttcag aagtgggcag ctgtggtggt gccttctgga 120  
gaggagcaga gatacacgtg ccatgtgcag catgaggggc tgccggagcc cctcatgctg 180  
agatggaagc agtcttccct gccaccatc cccatcatgg gtatcggtgc tggcctgggt 240  
gtccttgacg ctgtagtcac tggagctgcg gtcgctgctg tgctgtggag naagaagagc 300

267

tcagattgaa aaggagggag cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnngtgg caagtccctt tgtgacttca agaaccctga cttctctttc tgcagagacc 420  
agcccccccc tgtgcccacc atgaccctct tcctcatgct gaactgcatt ccttcccca 480  
tcacctttcc tgttccagaa aaggggctgg gatgtctccg tctctgtctc aaa 533

&lt;210&gt; 394

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40385\_at HG-U95Av2

&lt;400&gt; 394

aggctgtgac atcaatgcta tcatctttca cacaaagaaa aagttgtctg tgtgogcaaa 60  
tccaaaacag acttggtgga aatatattgt gcgtctctc agtaaaaaag tcaagaacat 120  
gtaaaaactg tggcttttct ggaatggaat tggacatagc ccaagaacag aaagaacctt 180  
gctgggggttg gaggtttcac ttgcacatca tggagggttt agtgcttata taatttgtgc 240  
ctcactggac ttgtccaatt aatgaagttg attcatattg catcatagtt tgctttgttt 300  
aagcatcaca ttaaagttaa actgtatttt atgttattta tagctgtagg ttttctgtgt 360  
ttagctattt aatactaatt ttccataagc tattttgggt tagtgcaaag tataaaatta 420  
tatttggggg ggaataagat tatatggact ttcttgcaag caacaagcta ttttttaaaa 480  
aaaactattt aacattcttt tgtttatatt gttttgtctc ctaaattggt gtaattgc 538

&lt;210&gt; 395

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40391\_at HG-U95Av2

268

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 117..133, 156, 158..166, 168..173, 195, 198, 199, 201..262

&lt;223&gt; n i s a, g, c o r t

&lt;400&gt; 395

tacttttgttt acctcgggtgc ttacaacaga atgctgccct acatcgtcac gggtagtctg 60

actgtcctga ttggaatcct cacccttttt ttccctgaaa gtttggaat gactctnnnn 120

nnnnnnnnnn nnnagatgca gaaagtgaaa tggtnnnnn nnnnnnnnnn nnnaaaaaaa 180

caagagactc aatgnagnna nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nntgaaaaac agaaaaataa gaccctgtgg agaaattcgt 300

tgttcccact gaaatggact gactgtaacg attgacacca aatgaacct tgctatcaag 360

aatgctcgt catacagtaa actctggatg attcttccag at 402

&lt;210&gt; 396

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40393\_at HG-U95Av2

&lt;400&gt; 396

gtgtggatac ctgagaagga ctacttggtg tcaaatactt ttgagatggc tacagtcagc 60

tagctggaca gcccatgctg actggggaca tacacttgca tctttgttga aagcagaaga 120

agacagaccc ttccccacc ttccttacct cctcttcccc cattaaggca gctcatccaa 180

gcttgatatt aactgaataa atgagtagac attgtggacc tcacaagatt attt 234



269

&lt;210&gt; 397

&lt;211&gt; 71

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40398\_s\_at HG-U95Av2

&lt;400&gt; 397

atttcttcct gattgacaac agtgtagac aagggtgcaaa gcgaaactgg ttgctcaagt 60

tgatagaaaa c 71

&lt;210&gt; 398

&lt;211&gt; 176

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40399\_r\_at HG-U95Av2

&lt;400&gt; 398

acaatcagta tgtgcttacc tgtgttcaag tagagaaaaa tacagtagag tctgatagga 60

catattcttg taccacagac aaaacaaatc ttatgttgca ttactatca actgctgcta 120

atacgttatt ataaaactta cctagctcct gaattcttcc tatcttatag cttaaa 176

&lt;210&gt; 399

&lt;211&gt; 199

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40427\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (73)..(97)

&lt;223&gt; n is a, g, c or t

270

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (121)..(121)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 399

catagctgct tttggcgcgga aagatgccgg gtctggttga ctcaaaccct gccccgctg 60

agtctcagga gannnnnnnnn nnnnnnnnnn nnnnnnttg cccggagacc aagaaggcgc 120

ncgatgcgtg tatcatcgag aaaggagaag aacactgtgg acatctaatt gaggcccaca 180

aggaatgcat gagagccct 199

&lt;210&gt; 400

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40434\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 99..101, 103..114, 122, 126, 128, 132, 134, 137, 138, 140..145

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 147, 150, 152..154, 157..159, 162..207

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 400

agaattgcta ctcgaagggtg ccagaatgac acaaaggaca gaattccttt cccagttggt 60

accctagcaa ggctagggag ggcatgaaca caaacatann nannnnnnnn nnnnctacac 120

tntctntnaa tnantttngn nnnnnangtn annnaannt tnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnngga acttactcca acaggactga gggaccaagg 240

aaacatgatg ggggaggcag agagggaag agtaaaactg tagcatagct tttgtcacgg 300

271

tcactagctg atccctcagg tctgctgcaa acacagcatg gaggacacag atgactcttt 360  
ggtggttggtc tttttgtctg cagtgaatgt tcaacagttt gcccaggaac tgggggatca 420  
tatatgtctt agtggacagg ggtctgaagt acact 455

&lt;210&gt; 401

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40493\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 39, 40, 55, 60, 72, 73, 80, 81, 94, 108, 109, 111

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 401

agagaccctg agttcccact cagacccact cagccaaann tctcatggaa gaccnaggan 60  
gggcagcact gnntttttgn nttttttggt tttngttttt ttttttttng nacactgtcc 120  
aaaggttttc catcctgtcc tggaatcaga gttggaagct gaggagcttc agcctctttt 180  
atggttttaat ggccacctgt tctctcctgt gaaaggcttt gcaaagtcac attaagtttg 240  
catgacctgt tatccctggg gccctatttc atagaggctg gccctattag tgatttccaa 300  
aaacaatatg gaagtgcctt ttgatgtctt acaataagaa taacatgggt cattcacctt 360  
tatgttatag atatgtcttt gtgtaaatca tttgttttga gttttcaaag aatagcccat 420  
tgttcattct tgtg 434

&lt;210&gt; 402

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40496\_at HG-U95Av2

272

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (26)..(26)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 402

tacaggatcc caatgacaag accaanttct acgcagctgg cctgggtgtcc tgggggcccc 60

agtgtgggac ctatgggctc tacacacggg taaagaacta tgttgactgg ataatagaaga 120

ctatgcagga aaatagcacc ccccgtaggg actaatccag atacatccca ccagcctctc 180

caagggtggt gaccaatgca ttaccttctg ttccttatga tattctcatt atttcatcat 240

gactgaaaga agacacgagc gaatgattta aatagaactt gattgttgag acgccttgct 300

agaggtagag tttgatcata gaattgtgct ggtcatacat ttgtgggtctg actccttggg 360

gtcctttccc cggagtagct attgtagata acactatggg tggggcactc ctttcttgca 420

ctattccaca gggatacctt aattctttgt ttcctcttta cctgttcaaa attccattta 480

cttgatcatt ctcatgtatcc actgtctatg tacaataaag g 521

&lt;210&gt; 403

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40505\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26, 134, 240..337, 339..344, 359..368, 370..372, 374, 375, 377

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 378, 380, 414..440

&lt;223&gt; n is a, g, c or t

273

&lt;400&gt; 403

tccccctagg gctcaggcac tgaggngcct ggggacagtg gagcatatgg gtgggagaca 60  
gatggagggt accctattta caactgagtc agccaagcca ctgatgggaa tatacagatt 120  
taggtgctaa accntttatt ttccacggat gagtcacaat ctgaagaatc aaactttccat 180  
cctgaaaatc tataatgtttc aaaaccactt gccatcctgt tagattgccca gttcctgggn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnann nnnnaaaaaa aaaaaaaann 360  
nnnnnnnnan nnannannan attgagggcc tccaggactt ggcaagtctt ggtnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn gatgggcagg caaatctgtc cgttctc 467

&lt;210&gt; 404

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40511\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (418)..(445)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (262)..(262)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 404

ccgttcacca gttgccattg agggtttcag agagcctttt tctaggccta catgctttgt 60  
gaacaagtcc ctgtaattgt tgtttgtatg tataattcaa agcaccaaaa taagaaaaga 120  
tgtagattta tttcatcata ttatacagac cgaactgttg tataaattta tttactgcta 180  
gtcttaagaa ctgctttctt tcgtttgttt gtttcaatat tttccttctc tctcaatttt 240

274

tggttgaata aactagatta cnattcagtt ggcctaaggt ggttggtgctc ggaggggttct 300  
ttgtttcttt tccattttgt ttttggtatga tatttattaa atagcttcta agagtccggc 360  
ggcatctgtc ttgtccctat tcctgcagcc tgtgctgagg gtagcagtgt atgagctnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnncgaca ggccacgtcc tgcaatcggc cgggctgcct 480  
cttcgccctg tcgtgttctg t 501

&lt;210&gt; 405

&lt;211&gt; 454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40568\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 118..132, 134, 263..282, 284, 290..324, 326

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 405

cacatgatta caattgccag tagagttggt gtttggggta caagatgaga agaaagaaaa 60  
acctacagcc tttctacatt ctgacatgct aacagtgggt taagtttcta aagtgttnnn 120  
nnnnnnnnnn nngncaaggg gagggagcag aagcacttat gtttacggat attttaaact 180  
ctgttagaga gcagcctttg aaaatcccca atttggttct gctttttgac ctctctctac 240  
cttttcaggg taatctttgt ggnnnnnnnn nnnnnnnnnn nnangettnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnngncct gagcgatctt ctatgcagtt ctgccatgcg 360  
tcctgttggt ctctctgtgt tctttgttac ttgggtgcaa tagcaacttc cctaccccg 420  
gcattccatc tttcatgttg tgtaaagtcc ttca 454

275

<210> 406  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40604\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (211)..(285)  
<223> n is a, g, c or t

<400> 406  
atgggttgac ttattcttcg tatcattaga agaaccccag agatagcatt cctctatddd 60  
atdddactddd cdddttggatt gcaactgattg ddddttgtggg aatgacactt tatctggcaa 120  
agtaactgag agtdttggtaa aagaatatddd tcttctctga ataataatta ddddcacagt 180  
gaaaatdddca gtatdddttatc actaatgtat nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnctgcc tgtttggaca 300  
ataggtddddg ggtagtacag attaggataa gtaagcttat atatgcacag agattattdt 360  
attacctgta aattgattta caagtactta aaagcgtggt cccacgtgag gccaaga 417

<210> 407  
<211> 494  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40606\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 128..143, 376, 377, 380, 381, 383..390, 392, 394, 445  
<223> n is a, g, c or t

<400> 407  
tcgtctccta tgagcaacgc cagaattata aggatgactt caatgcagag tatgatgagt 60

276

acagagcttt gcatgccagg atggagactg tagctagaag atttatcaaa ctagatgcac 120  
 aaagaaannn nnnnnnnnnn nnntcaaaag agtatcagaa tgttcatgaa gaagtcttac 180  
 aagaatatca gaagataaag cagtctagtc ccaattacca tgaagaaaaa tacagatgtg 240  
 aatatcttca taacaagctg gctcacatca aaaggctaata aggtgaattt gaccaacagc 300  
 aagcagagtc atggtcctag aactctgctt ggaccagaag atgtgaataa acttaagctt 360  
 atttatttaa aattcnnaan nnnnnnnnnn anantctaaa aagggtgaaac tttggctgtt 420  
 gaaagtttca gtattagtaa acttngagtt actttttctt ttccatttta ctttgcttcc 480  
 ctgcatttcg gaag 494

&lt;210&gt; 408

&lt;211&gt; 470

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40626\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 26..29, 380, 425

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 408

ctgtgttccc tcttggaacc tgaccnnnna tgctagaaga acccttgga aacatgctgg 60  
 cccagccctc tagttttaca aataaggag tgacagccc tgagaggta catggcctgc 120  
 ccaagatcac gcagtcaatg gcagagtaaa gagcatagcc taggcctccc cactcctcta 180  
 gtaatgctct ttcattctct ccaacctggc tctaagcctt gtccatcctg agcccatat 240  
 ctagcccaac ctagtccctg aaaacaagaa gtggccctta gaaatctctc tccagtccca 300  
 ctatcagagg ccaactgctg tcttccagtc tccttcagcc tgtgctcctc tccctccctg 360  
 actgacaggc agaaggtaacn gtgcctctgg atatccccac agtgccctga gctgcatctc 420



277

ttgcngactg ctttaataca tcacagtgc attgtgtgtg tctctgccac

470

&lt;210&gt; 409

&lt;211&gt; 605

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40648\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 449, 450, 452, 458, 461..463, 465..468, 470

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 409

atccaattgt acctgatgtt tttggtatth gtcttcctta ccaagtgaac tccatggccc 60

caaagcacca gatgaatgtt gttaagtaag ctgtcattaa aaatacataa tatatatthta 120

tttaaagaga aaaaatatgt gtatatcatg gaaaaagaca aggatatthtt aataaaacat 180

tacttatthc atttcactta tcttgcatat cttaaaatta agcttcagct gctccttgat 240

attaacatth gtacagagtt gaagttgtth tttcaagthc tthttctthtt catgactatth 300

aaatgtaaaa atatthgtta aatgaaatgc catatthgac ttggcttctg gtcttgatgt 360

atthgataag aatgattcat tcaatgtthta agttgtata actgattaat tthctgatat 420

ggcttcctta taaaatatga ataaggaann anaaaaanaa nnnannnnan acttgaaaga 480

cagtggtcgg cagcggcctt gtggcctthg caaaggaatt cccttaatgc ctggtccttg 540

gggcaattgc tctgaccatt cttggcattg cthttatagag atatggaaaa accacaccag 600

ggtct 605

278

<210> 410  
<211> 275  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40670\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 109..111, 115..124, 126..130, 133, 136, 140, 143..149  
<223> n is a, g, c or t

<400> 410  
tgctggtgcc ttcattcatg aaaagcatgc ccatacgatt aaacctgcga gatcggagtt 60  
  
ctttaattag gaatggaatg caacagat tt ggacaagtca aggacaagnn ntttnnnnnn 120  
  
nnnnnnnnnn ttntcnctgn tannnnnnnc agtatgtagc cgagaacat atggagaaca 180  
  
tcaaatacag tggaacaaat gtaactgcta ttgatgtcac actttgtgaa gtagtctttg 240  
  
ttgcttaaaa aggggtgacat ctagtggcta aacat 275

<210> 411  
<211> 194  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40671\_g\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (44)..(74)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (79)..(81)  
<223> n is a, g, c or t

279

<400> 411  
gactcaattg cagtgatcct gttcagtggg gtgcattttt acannnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnaaaann nggacaagcg aagggttggt atgttggtt tgatctagca 120  
catgcagttg gaaatgttga actctactta catgactggg gagttgattt tgcctgctgg 180  
tgttcctaca agta 194

<210> 412  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40672\_at HG-U95Av2

<400> 412  
cagcaccaga tttaagatgg ataacaaact gcagttaatc cctgggggtct gtggattccg 60  
aatttcaaatt cctcccattt tgttggtctg ttccttgcat gcta 104

<210> 413  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40687\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 54..147, 156, 157, 257..300, 341, 459, 461..467, 469..471  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> 473..491  
<223> n is a, g, c or t

<400> 413  
aaggctctgc agagatgact gggctgggga agcagatgct tgctggccat ggannnnnnn 60

280

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaca gacagnntca gcatggaatg ctcttggcca 180  
agggtactgg gggccctctg gccttttgca gctgatccag aggaacccag agccaactta 240  
ccccaacctc accctannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
acaggaaaag gcggattgag gctgctgggt cagccttgat ngcacagaca gagcttgtgc 360  
cggatttggc cctgtcaagg ggactgggtgc cttgttttca tcactccttc ctagttctac 420  
tgttcaagct tctgaaataa acaggacttg atcacaaana nnnnnnnann nnnnnnnnnn 480  
nnnnnnnnnn ngggttgggg gatagagtta ttttgcccag gcttccttta cttcttggtc 540  
ctgta 545

&lt;210&gt; 414

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40698\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (398)..(412)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 414

tcaaaacgct gattaaga agcacggtat gatgaccaa cataaaaagt gttttataat 60  
tgttggtgtt ttaataacaa ctaatattat tactctgata gttaaactaa ctcgagattc 120  
tcagagttaa tgcccctatg attggattgg ttccaaaac aaatgctatt atttctctaa 180  
agaagaagga gattggaatt caagtaaata caactgttcc actcaacatg ccgacctaac 240  
tataattgac aacatagaag aaatgaattt tcttaggcgg tataaatgca gttctgatca 300  
ctggattgga ctgaagatgg caaaaaatcg aacaggacaa tgggtagatg gagctacatt 360

281

taccaaatacg tttggcatga gagggagtga aggatgtnnn nnnnnnnnnn nngatggtgc 420

agcaacagct agatgttaca ccgaaagaaa 450

<210> 415

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 406\_at HG-U95Av2

<400> 415

acgtgcccta caagttcaag gtgcaggcca ggaccactga gggcttcggg ccagagcgcg 60

agggcatcat caccatagag tcccaggatg gaggaccctt cccgcagctg ggcagccgtg 120

ccgggctctt ccagcaccgg ctgcaaagcg agtacagcag catcaccacc acccacacca 180

gcgccaccga gcccttccta gtggatgggc tgaccctggg ggcccagcac ctggaggcag 240

gcggctccct caccggcat gtgaccagg agtttgtgag ccggacactg accaccagcg 300

gaacccttag caccacatg gaccaacagt tcttccaaac ttgaccgcac cctgccccac 360

ccccgccatg tcccactagg cgtcctcccg actcctctcc cggagcctcc tcagctactc 420

catccttgca cccttggggg ccagcccac ccgcatgcac agagcagggg ctaggtgtct 480

cctgggaggg atgaaggggg caaggtccgt cctctgtggg cccaaaccta tttgtaacca 540

aagagctggg agcagcaca 559

<210> 416

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 40823\_s\_at HG-U95Av2

282

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (84)..(98)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 416

gacagcactc aactcaagca caaagtacgg gccagggggg tctttctgca ccttcacact 60

taatatgtca cagtttgtgt gatnnnnnnn nnnnnnnncc tgatggggca actgtgagca 120

ttaaacctga accagaagat cgagagccta actttgcaac cattgggtctg caggacatca 180

cttttagat 188

&lt;210&gt; 417

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40899\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 39, 149..155, 168, 177, 179..198, 201, 222..246

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 417

cacacggagc agtccagat gagcagggtcc gaggttacnt gacctgcggc gcacccttca 60

gggtcttgag attgagctgc agtcacagct gagcatgaaa gctgccttgg aagacacact 120

ggcagaaacg gaggcgcgct ttggagccnn nnnnnggcgc atatccangc gctgatnann 180

nnnnnnnnnn nnnnnnnngg ncgatgtgcg agctgatagt gnnnnnnnnn nnnnnnnnnn 240

nnnnnngctc atggacatca agtcgcgggt ggagcaggag attgccacct accgcagcct 300

gctcgaggga caggaagatc actacaacaa tttgtctgcc tccaagggtcc tctgaggcag 360

caggct 366

283

<210> 418  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 408\_at HG-U95Av2

<400> 418  
attaactcta cctgcacact gtcctattat attcattctt ttgaaatgt caacccaag 60  
ttagttcaat ctggattcat atttaatttg aaggtagaat gttttcaaat gttctccagt 120  
cattatgtta atatttctga ggagcctgca acatgccagc cactgtgata gaggctggcg 180  
gatccaagca aatggccaat gagatcattg tgaaggcagg ggaatgtatg tgcacatctg 240  
ttttgtaact gtttagatga atgtcagttg ttatttattg aaatgatttc acagtgtgtg 300  
gtcaacattt ctcatgttga aactttaaga actaaaatgt tctaaatatc ccttggacat 360  
tttatgtctt tcttgtaagg catactgcct tgtttaatgg tagttttaca gtgtttctgg 420  
cttagaacia aggggctta 439

<210> 419  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 41048\_at HG-U95Av2

<220>

<221> misc\_feature  
<222> (104)..(104)  
<223> n is a, g, c or t

<220>

<221> misc\_feature  
<222> (149)..(149)  
<223> n is a, g, c or t

284

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (433)..(433)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 419

ggaacagtta gttctcatct agaatgaaag ttccatatat gcattgggtga atatatatgt 60

atacacatac ttacatactt atatgggtat ctgtatagat aatntgtatt agagtattat 120

atagcttctt agtaggggtct caagtaagnt tcattttttt tatctgggct atatacagtc 180

ctcaaataaa taatgtcttg attttatttc agcaggaata attttattta ttttgcctat 240

ttataattaa agtatttttc tttagtttga aaatgtgtat taaagttaca tttttgagtt 300

acaagagtct tataactact tgaattttta gttaaaatgt cttaatgtag gttgtagtca 360

ctttagatgg aaaattacct cacatctggt ttcttcagta ttacttaaga ttgtttattt 420

agtggtagag agnttttttt ttcagcctag aggcagctat tttaccatct ggtatttatg 480

gtctaatttg tatttaaaca tatgcacaca tataaaagtt gatactg 527

&lt;210&gt; 420

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41140\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (125)..(125)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (316)..(363)

&lt;223&gt; n is a, g, c or t



285

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (372)..(372)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 420

agctgctaga gttctgtctg gactttccag agaccagtat tcccttttgc tgctctataa 60

aggcctgtcc ctgcagacat gagagacagc aggtctcatg ggggtgacaa gctttttttt 120

tttttcttaa agaattttca aaatcaaatt ccagaatgat ttacggaga tatcccagga 180

aaattaaggc ttctcttaaa cactaaaaag gcatgtaatt gcttgtagc aaaatggata 240

tgacacatct ctgatacttt ttctattatt ggttgggctg agcagtcaga agacctggtc 300

gtcgtcttga ctttgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnagggaca cngagtggcc cttcatgtac atccatggtg tgctggctta aaat 414

&lt;210&gt; 421

&lt;211&gt; 586

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41168\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 248, 251, 266, 376, 381..409, 533

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 421

gagaaccgt actctagggc caaatccatt cttcttgccc tggctcaatt gtcccccca 60

ccgccccg cg ctggagccac tgcctagttc ttcagcccta gatggtgctc gccagacctc 120

ctctcaatgc tcatcacaca cagggtatt ctttctctcc aatgaaccaa acgcctcccg 180

cccacctca ggtcccagtc ctctgttccc ttgctggt ccacccttgc cctccctggg 240

tcgcaganga nggtcggcct cgtcanttcc ccgcagaccg ccgcgcgtcc ctcttgctgc 300

286

gttcaccaca gttgtattta agtgatcgtg tgagtcgctg ttaaatagcct gtctccccgc 360  
ggatcatggg ctctngagg nnnnnnnnnn nnnnnnnnnn nnnnnnnnt aaccccgcg 420  
cggcataggg acctaaggcc cactggaggg cgctcatcaa gtagctgctg gatgttgacg 480  
aaggaagcgg. cggcgagct cagggatctc cgagtcagga cggtcggcca ganccacggg 540  
gtaacgggtc taatcgtgta ggaataaagc tgtattccag tgcttc 586

&lt;210&gt; 422

&lt;211&gt; 512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41171\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 107, 365, 368..371, 374..396, 438..479

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 422

tagcaatcca ggagaaggtg ctggagaggg tgaatgccgt caagaccaa gtggaagctt 60  
tccagacaac catttccaag tactttctcag aacgtgggga tgctgtngcc aaggcctcca 120  
aggagactca tgtaatggat taccgggcct tggatcatga gcgagatgag gcagcctatg 180  
gggagctcag ggccatggtg ctggacctga gggccttcta tgctgagctt tatcatatca 240  
tcagcagcaa cctggagaaa attgtcaacc caaagggtga agaaaagcca tctatgtact 300  
gaacccggga ctagaaggaa aataaatgat ctatatgttg tgtggaaaaa aaaaaaaaaa 360  
aaaanaannn naannnnnnn nnnnnnnnnn nnnnnnctg aagatgaatg tggagggaag 420  
gggtgggtgt cacaaagnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna 480  
agaggggatt caggcccttt ctcatccagt ag 512

287

<210> 423  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41184\_s\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (41)..(67)  
<223> n is a, g, c or t

<400> 423  
ctatgggcag tatgatctgt ggctgggata agaaggggtcc nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnngac tcggctctca ggaaatatgt tctccacggg tagtggaac acttatgcct 120  
acgggggtcat ggacagtggc tatcggccta atcttagccc tgaagaggcc tatgacctg 180  
gccgcagggc tattgcttat gccactcaca gagacagcta ttctggaggc gttgtcaata 240  
tgtaccacat gaaggaagat ggttgggtga aagtagaaag tacagatgtc agtgacctgc 300  
tgcaccagta ccgggaagcc aatcaataat ggtgggtggtg gcagctgggc aggtctcctc 360  
tgggaggtct tggccga 377

<210> 424  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41191\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 129, 141..144, 152..175, 316  
<223> n is a, g, c or t

<400> 424  
ggcctctctt agctcagtta ctcaattcat acgtagtatt ttttaaaata attttatatc 60

288

tgtgtaccac cccatatatt tcatattact gtttcacatg tacagctttc tacttctttg 120  
taagaacanc aaccaaccaa nnnnggttta annnnnnnnn nnnnnnnnnn nnnnnngggtg 180  
gcagatgttc tatgcagtgt ggttcaagtt tctttgaccg cacttatatg cattgctaata 240  
atggaattta agataccata cacagtctct catggaccta tctctattgt agaattatga 300  
cttatgtctt acttgncaaa tttttctgaa tgtgacctt ttttgctgat ttgctggggtt 360  
tgggattaac tagcattatt ttgccacctt tatattgtat ttataaaaaa aaagtactat 420  
caatcaatca tactactttg gattgttg 448

<210> 425  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41237\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (44)..(44)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (183)..(183)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (215)..(215)  
<223> n is a, g, c or t

<400> 425  
cctgactttg tttctgcaaa ggcacctgca tgtgtctgtg ttcntgtagg cataatgtga 60  
ggaggtgggg agaccacccc acccccatgt ccaccatgac cctcttccca cgctgacctg 120

289

tgctccctcc ccaatcatct ttctgttcc agagaggtgg ggctgaggtg tctccatctc 180

tgnctcaact tcatgggtgca ctgagctgta acttnttctt tccctattaa aattagaacc 240

tgagtataaa tttactttct caaattcttg ccatgagagg t 281

<210> 426

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 41239\_r\_at HG-U95Av2

<400> 426

tttgcaaadc tcaggataaa gtttgctaag taaattagta atgtactata gatataactg 60

tacaaaaatt gttcaaccta aaacaatctg taattgctta ttgttttatt gtataactctt 120

tgtcttttta agacccttaa tagccttttg taacttgatg gcttaaaaat acttaataaa 180

tctgccattt ca 192

<210> 427

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 41266\_at HG-U95Av2

<400> 427

agtctcagtt tcttgcttgg ggaacttggt tccctaattgt gtttagattg ctagattgct 60

aaggagctga tactttgaca gtgttttttag acctgtgtta ctaaaaaaaa gatgaatgtc 120

ctgaaaaggg tggtgggagg gtggttcaac aaagaaacaa agatgttatg gtgttttagat 180

ttatggttgt taaaaatgtc atctcaagtc aagtcactgg tctgtttgca tttgatacat 240

290

<210> 428  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 41294\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 91, 116..162, 169, 215, 227..239, 242, 273..277, 281, 284

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 286, 289, 293, 294, 303, 314, 452, 459, 466

<223> n is a, g, c or t

<400> 428

gtgaatatct ctgtgatgaa ttccactggt ggcagtagca gtggcgggtg cattgggctg 60

accctcgggg gaaccatggg cagcaatgcc ntgagcttct ccagcagtgc gggtcnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaggagtnc ccgcgactga 180

gccgcctccc accactccac tcctccagcc accanccaca atcacannnn nnnnnnnnnn 240

cnttgccgag gctgaggagt gtggggagct ggnnnnnnaag natncncgng ccnngcagga 300

ggnagctgga agcngccctg cagcgggcca agcaggatat ggcacggcag ctgcgtgagt 360

accaggaact catgagcgtg aagctggccc tggacatcga gatcgccacc taccgcaagc 420

tgctggaggg cgaggagagc cggttggtg gnagatggna gtgggnagcc gtgaatatct 480

ctgtgatgaa ttc 493

<210> 429

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 41352\_at HG-U95Av2

291

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (304)..(304)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 429

gttctgattt gacacactga ttttaatctt cgaatcatga cactgagtgc agaggaggtg 60

gcattccgac agcaggacat acatggttgt gtgaagactg ggacgacact gggtagaatc 120

tagtttttaa ttattattaa tataaaggat caaattaatt taaatatgat tctgaagtct 180

acagaacttt tagttctgtg ctgtctatgt ggacactttg gtaaaatgca aattatgata 240

tggacgttat cattggtctg gtgagatggt tcatatttgt gacagttaat ttaaaaatta 300

tganttaatg ctgcctgtgt ctatgggggt ctgtcttctt tgatagccat ctattcatct 360

ggatcatggg accctctcta atccttcac caatcaaata agctattgct attggtttgg 420

agttgagata tcagtctcgg aaactt 446

&lt;210&gt; 430

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41362\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 51, 74, 76, 91, 94, 114, 115, 134, 139, 166, 229, 235

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 237, 239..243, 245..249, 254..256, 258, 259, 326..394

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 451..467

&lt;223&gt; n is a, g, c or t

292

<400> 430  
cacaactggg gcagaattta aagctgcaac acagctggtg atgagaggct ncctcagtcc 60  
agtcgctcct tagncnccag gcaccgtggg nccnggatgg ggaactgcaa gcannctctc 120  
agctgatggc tgcncagtn c agatgtctgg tggcagagag tccgangcat ggagcgattc 180  
cattttatga ctgttgtttt tcacattttc atctttctaa ggtgtgtcnc ttttncnann 240  
nnnnnnnnnt tttnnnnanc caaaagtcga tcaatcgcat tcattttaag aaattatacc 300  
tttttagtac ttgctgaaga atgatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatagac agcacttggtg aaggattgaa 420  
tgcagggttc aggtggaggg aagacgtgga nnnnnnnnnn nnnnnnncat gcagacattt 480  
ttaaaagcta tacaaaaaat tgtgagaaga cattggccaa ctctttcaaa gtc 533

<210> 431  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41384\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (157)..(191)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (320)..(328)  
<223> n is a, g, c or t

<400> 431  
ttcttgttta taacagtgcc ttaaggatat atgtatttct gatggaagcc attttcacat 60  
tcattgttct catggattat ttgttacttg tctaagatgc aatttgattt tatgaagtat 120



293

atacccttta cccaccagag acagtacaga atccctnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn ngttattaat ttaaaactcc attattagga ttacatttta aagttttatt 240  
tatgaattcc ctttaaaaat gatatttcaa aggtaaaaca atacaatata aagaaaaaaa 300  
taaatatatt aataccggcn nnnnnnnncc atttttaacc tcagccttcc ctactgtcac 360  
caacaaccaa gctaaataaa gtcaacagcc tgatgtg 397

&lt;210&gt; 432

&lt;211&gt; 563

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41419\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 200, 222, 227, 485

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 432

ctcattggaa ttttcttcaa gtgttaaagg tacattttca ctaggaaaag aaatcaaata 60  
tgottatgca atatatat ttgtgttttt ccttaatgtt atatggtata tatgagcctt 120  
ottgtttagt ttcttttctc tgctaagttg taccttaatt agagggaat atatgtttca 180  
taaagaagag tctttataa tttgtttgtc agatagtatt tnggaantt tataataagg 240  
atgttttagaa gccatataag tggctttttt taacagatag aatttgtatt tttattgtac 300  
tttaaaaaga tttatgtaat aggtatatat ttagtggcca tttattatca atggtaacac 360  
aatggagtac taagatggta ttgcacatt taagatatgt tactttacca atttttaattg 420  
gtaatcaact ctgctactgg catgatgaaa tagtacataa ctggtcatta attatgaaca 480  
tttanttctc cagtgcgttt ttatgaagat ctggttgaaa attgtatttc tatgtaaact 540  
caacgatatg ttggttttct ctg 563

294

<210> 433  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 41433\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 26, 32, 35, 42, 231..245

<223> n is a, g, c or t

<400> 433  
caaagtaaaa cttgctgcct gaagancagt anctnccatc angatgagag aactggagga 60  
gttccttgat ctgtatatac aataacataa tttgtacata tgtaaaataa aattatgcca 120  
tagcaagatt gcttaaaata gcaacactct atatttagat tgtaaaata actagtgttg 180  
cttggaactat tataatttaa tgcattgtag gaaaatttca cattaatatt nnnnnnnnnn 240  
nnnnntttgt catctttctt ctattttatt ccctttcaca aaattttatt cctatatagt 300  
ttattgacaa taatttcagg ttttgtaaag atgccgggtt ttatatTTTT atagacaaat 360  
aataagcaaa gggagcactg ggttgacttt cagggtactaa atacctcaac ctatggtata 420  
atgg 424

<210> 434  
<211> 607  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 41439\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 50..65, 418..424, 434..437, 439, 440, 445, 578, 580, 581

<223> n is a, g, c or t

295

<400> 434  
ctgtttctgg taaataccat atatgatcct cgaaatgata atatctccan nnnnnnnnnn 60  
nnnnncaa at ttgagtagat attttaaaca cctaacaaag taaagggcta aaagccattc 120  
agatagcagt aaaacattct gtatgatgtg caataaaaca tccaagatct tttttgaaag 180  
ttttatttat aatatacatt tttgtatgag aaaggtgatt ggtacagggt gcctatttta 240  
gtcatggatc aaaatttgtg taacttgcag ggctttcttt ctttttcttc aaatttacaa 300  
gggttcattt tggaaactac attttaaact ttggaatcaa attgtttctt atttgggagg 360  
ataatgtata tacattggta ttatgttaaa taataaaatt gttctaattt ggtgccannn 420  
nnnnaaaaaa aaannnnann tttgnatctc aagctatttt catatgttat gtgtcaatgt 480  
atcatctctc agaaaggttt tacaatccaa acattatatg ttctctgtgt aactgaattt 540  
cacttatctt ttataaacca gaaacattaa ttgaaaanan nttctgggga ttttctcttg 600  
acttgta 607

<210> 435  
<211> 278  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41446\_f\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 83, 86, 87, 96, 149..182, 216..218  
<223> n is a, g, c or t

<400> 435  
ctgggtgtctc ctgcacctgc gctggttcct gcaagtgcaa agagtgc aaa tgcacctcct 60  
gcaagaagag ctgctgctcc tgnctnnccc gtggngtgta gcaagtgtgc ccagggtgtg 120  
gtttgcaaag gggcgtcaga gaagtgcann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nncagatgta aacagagaga catgtacaaa cctggnnntt ttttttttat accaccttga 240

296

cccatttgct acatttccttt tcctgtgaaa tatgtgag

278

&lt;210&gt; 436

&lt;211&gt; 518

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41475\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 76, 79, 88, 91, 108, 164, 383

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 436

ggaccagccc ttgctctgac tgcggccaag caccacgcag gaggccactc ttgtctctca 60

gcagctgttc ccaggnggna gctccctnct nggcacatgg gggctggnc aatagccca 120

gagggtcaga actggacagc tgcagagacc tgtgcccaga gaanggtctc gaccactca 180

aggacacaca gcaggtccgt ggatgggctg gatgagtgc cagggccagc ctctgtctca 240

ggacattcca gaaggacaag gagatgtctc tccctctccc aaagcaccag cgtccctgcc 300

tcccgtgggc cctgtccggg ttgccctggt gacccagcc tctgtccact tctaaccba 360

gggaccctgc acagccagaa ctncctttgg ccctacggat ggccactggc tctggtctaa 420

agtgcctggg cttggtggc atcaagaggg agccagtcag gcctgtgagg gccgtagacc 480

ttgtatatac cctgcaccag cagtgaccgg gcagagcc 518

&lt;210&gt; 437

&lt;211&gt; 406

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41534\_at HG-U95Av2

297

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 51, 103, 106

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 437

catccatata ttactgtgtt tggctgaatt ccactcta atgatgctcc nattatgcac 60

catactgtga tgacctttct actccgaaac ctgctggagc ctncnttgg ccgtgggggtg 120

tcagccaatc actgcttggt ccacttggtg tacattttat ttttgagtct ttttctttct 180

catatacaga aaaatagtat gaaaataaaa taaatgtatg aaacagtatt aatgcagaaa 240

tgtgctacta atggatgtct gagtcaccag aaattccatt cttaaagagg cggtagcac 300

ctattagacg taacagtgat gtcttttaaa aaatccaaaa gcatattgca acaataagtt 360

tgagactttg tgtgaacaaa gggaaattca gcctcttatg tctttg 406

&lt;210&gt; 438

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41554\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (329)..(343)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 438

gtccacagtt attcaaaca tggctttttt tgtgatgaga gtatttgta aaaaaaaaaa 60

aaagacttca agaaaaataa aagttcagtg gagctgcaaa taaatctggg gaataatttc 120

atcttttgta atctccatt tctgagttc ttctcaatc caagctgtcc tgtgtagtat 180

ataacatttg ggcattttct ctgatatact atactctcat gttctataaa tttctgtccc 240

gtaattctaa cactttacat tttttctttg ctatcagcta tagctattca tggaaggga 300

298

gaatcactaa atacttgtct agttatagnn nnnnnnnnnn nnntcctcct tatccctcga 360  
 tgcctggcctt ggtgtctggc aaacagtcca taattagcag atgttgaaag accgtttaca 420  
 aagcagaatt tggggattta aagtgcaatg atacaacaaa aagatttaat tacagcttcc 480  
 agtgttttga ctatgtgaac cat 503

&lt;210&gt; 439

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41592\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 89, 91, 93..96, 98..101, 103..120, 241

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 439

agctgtgccg ccagcgcacg gtggccaccg tgggccgcga gaacctggct cgcaccccc 60  
 tcaaccccgct cctccgcgac tacctgagnt ncnncnnnn ncnnnnnnnn nnnnnnnnnn 120  
 ccgccgtgca cgcagcatta actgggatgc cgtgttattt tgttattact tgcctggaac 180  
 catgtgggta ccctccccgg cctgggttgg agggagcgga tgggtgtagg ggcgaggcgc 240  
 ntcccgccct cggctggaga cgaggccgca gacccttct cacctcttga gggggtcctc 300  
 cccctcctgg tgctccctct ggggtccccct ggttggtgta gcagcttaac tgtatctgga 360  
 gccaggacct gaactcgac ctcctacctc ttcatgttta catataccca gtatctttgc 420  
 acaaaccagg gggt 434

&lt;210&gt; 440

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

299

&lt;220&gt;

&lt;223&gt; Probe 41601\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (32)..(52)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 440

```

gaccacacaag cagatatttg aattacttct tnnnnnnnnnn nnnnnnnnnn nnggatgggc      60
tgcattttact gtgtgaagga taaaaatcat tagcctggat tctgatttct ataaattgcc      120
attaaaagct ttttttccc taagaactga aatgtgctca ccagccaaaa cattttaact      180
tgtaaatttt gagggcagtt aaccaaacct gtgactaatc atatctctct ctacccccca      240
tttccaagga catttggtac tcagatactt gttatactaa tacttgaact tgtaccttat      300
ggatatttgct atcttttaac tagtcatgat attcttatac tttagttaca cttttggaat      360
ttgatacaag gttgagtggg gtgtgtgggt gtatgtatga gtgaaacagt tctcaaaaga      420
atgtaagaaa aaccattttt ataaaattgt gactttttta aaacatagtc tttgtcattt      480
atagaattaa caagctgctc aggggtatatt ttatagctgt agcactgata tc              532

```

&lt;210&gt; 441

&lt;211&gt; 463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41612\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 66..82, 132, 139, 146, 155, 167, 187, 198, 204, 226, 245, 260

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 441

```

atcttgtttt aactcccat gggctcttca ggctctcatc ttttttcttt ttccagtcta      60

```

300

ttttcnnnnn nnnnnnnnnn nnttaatttt tattgacctt ccatggctct cactgattgt 120  
tttctttgtc anacctaanc tgttgnagtt tgtgncagtg agttttncat tttgggtttg 180  
tatttttncca gttgtttnaa tttncattg ggtgggttct tttgtnacac cttctgtttc 240  
tttgncttat tttttaacgn ccaaagaaag actctcagag aatagacaac tatattccaa 300  
agtcatgggt ctctgggtgt ttgtcttgac atttgaatag aaatgttaaa ctatctgggg 360  
gaatagaaag cccacagtct tctgagttgt gctacaccaa tatttctatg aacagatctt 420  
acaactgaga gtgatctgca gatttttcag agtcatgttc tcc 463

&lt;210&gt; 442

&lt;211&gt; 347

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41635\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (133)..(149)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 442

gctctatatt acttgcttga gccttaatca atgtgggttt attcaatggt ttgttctttg 60  
aatggttgca aaaactgtag ataatcttac tgaggactgt acaaacatga aggtgtggta 120  
tcaaacttca ggnnnnnnnn nnnnnnnnna ttataaacat tcatttcaca actagattgt 180  
ataaggatat tagctgtgat gagactcact gcattatatt ttttagtgaa ttttatgaaa 240  
tccccgttcc attcaacagg cacatgttta aaagagcttt gtcgttggtg ttaatggggg 300  
aatgtgttcc ttcattgtat ttgggccttt tgtattgcac tcttgat 347



301

<210> 443  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41654\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (141)..(167)  
<223> n is a, g, c or t

<400> 443  
aaaggctgaa catcaatgcg gccaaatcta gtttcctccc agaagatgaa aagaggggagc 60  
ttctcgacct gctctataaa gcctatggga tgccaccttc agcctctgca gggcagaacc 120  
tctgaagacg ccactcctcc nnnnnnnnnn nnnnnnnnnn nnnnnnnact ctgtggggct 180  
gagcaacatt tttacattta ttcccttccaa gaagaccatg atctcaatag tcagttactg 240  
atgctcctga accctatgtg tccattttctg cacacacgta tacctcggca tggccgcgctc 300  
acttctctga ttatgtgccc tggccaggga ccagcgccct tgcacatggg catgggtt 357

<210> 444  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41656\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (199)..(199)  
<223> n is a, g, c or t

<400> 444  
tgtaccgcgc actaactaga cttttctgct gttgtgcaaa gttcagtttc ttctcagcaa 60  
catcaaggat atatgaagaa aaggaaataa aaaactgtaa agtcaaaaga gatgcctggt 120

302

ggaacttatt cgtgctatca gggcattgat agtttgaatg tttttattac ttatgcaaaa' 180

ttgcacatac tcctctatnc tgattttatc atgaaaaactg tcatgtgtca tgctaattgga 240

<210> 445

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 41677\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 33..48, 130, 131, 133..136, 140, 142..147, 232, 238

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 254, 270, 393, 458..472

<223> n is a, g, c or t

<400> 445

agcaagctca ccaggcctct cagaagtccc agnnnnnnnn nnnnnnnngc cgggtcggcg 60

cctcctgcgc gagggagcag gttctccgca ttcccatggg caccacctgc ctgcctgtcg 120

tgcccttggan ncnnnncccn gnnnnnnnagg agagaccaa ggcttctgag caggattttt 180

atttcattac agtgtgagct gcctggaata catgtggtaa tgaaataaaa anccctgncc 240

ccgaatcttc cgtncctca tcctaacttn cagttcacag agaaaagtga catacccaaa 300

gctctctgtc aattacaagg cttctcctgg cgtgggagac gtctacaggg aagacaccag 360

cgtttgggct tctaaccacc ctgtctccag ctncctgtca cacatggaca gggacctggg 420

aaaggtggga gagatgctga gcccagcgaa tcctctcnnn nnnnnnnnnn nngaagaaga 480

aaactcaact cagtgccatt ttacgaatat atgcg 515

303

&lt;210&gt; 446

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41711\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 96..117, 119, 122, 191, 192, 222..245

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 267, 480, 494, 495, 503..547

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 446

```
catcccagtg ttatgtaaag atggtgtgcc tgaggagacc cccacagctg gtgctgggcc      60
tgcatttcct tggccccaac gcaggcgaag ttactnnnnn nnnnnnnnnn nnnnnnnant    120
ngggggcttc ctatgcgcag gtgatgcgga ccgtgggtat ccatcccaca tgctctgagg    180
aggtagtcaa nntgcgcata tccaagcgct caggcctgga cnnnnnnnnn nnnnnnnnnn    240
nnnnntaagc gccatccctg caggccnagg gcacacggtg cgcccgcgcg cagctcctcg    300
gaggccagac ccaggatggc tgcaggccag gtttgggggg cctcaaccct ctcctggagc    360
gcctgtgaga tggtcagcgt ggagcgcaag tgctggacag gtggcccgtg tgccccacag    420
ggatggctca ggggactgtc cacctcacc ctcacactct cagcctctgc cgccggggcan    480
cccccccag gctnntgggt ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    540
nnnnnnntcc gagccccctg gcatttctgc aatgcaaata                          580
```

304

<210> 447  
<211> 193  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 41742\_s\_at HG-U95Av2

<400> 447  
gcagtccttg atggagatgc agagtcgtca tggggcgaga acaagtgact ctgaccagca 60  
ggcttacctt gttcaaagag gagctgagga cagggactgg cggcaacagc ggaatattcc 120  
gattcattcc tgccccaagt gtggagaggt tctgcctgac atagacacgt tacagattca 180  
cgtgatggat tgc 193

<210> 448  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 41743\_i\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 37..73, 104, 106..166, 193..242  
<223> n is a, g, c or t

<400> 448  
actggaactg gcagagaagg ctctggcttc caaacannnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnngcaggaa gaggacctgg aaaccatgac catncnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaat tcatgaggaa 180  
aaggagcaac tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnaggcaggc agtccttgat ggagatgcag agtcgtcatg gggcgagaac aagtgactct 300  
gaccagcagg cttaccttgt tcaaagagga gctgaggaca gggactggcg gcaacagcgg 360  
aatattccga ttcattcctg cccaagtgt ggagagggtc tgcttgacat agacacgtta 420

305

cagattcacg tgatggattg catcatttaa gtgttgatgt atcacctccc caaaactgtt 480  
ggtaaattgtc aga 493

<210> 449  
<211> 206  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41816\_at HG-U95Av2

<400> 449  
tctctcctgt gtaaattgtca cgccccaccc ctgtttcatg tgggcactaa cacgtgtgcg 60  
ttcctggcgg gcacactcag gaccgtgcct cacagggccc actccctgcc tatgcctccc 120  
tcttgggggg ccgaggaggg cggctgctct gtcattgagaa tgtacggccc gtggatgatt 180  
aacgggcctt tttcacttag aagctg 206

<210> 450  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 41831\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (247)..(247)  
<223> n is a, g, c or t

<400> 450  
cgtccagcac gaaggccacg ctgtaccgcg cgatcctgaa cccgccgccc tccccggcca 60  
cggacccctc cctgtacaac atggacatgt tctactcttc aaacattccg gccactgcga 120  
gaccgtacag gccctacatc attcgaggaa tggcgccccc gacgacgccc tgcagcaccg 180  
acgtgtgtga cagcgactac agcgccagcc gctggaaggc cagcaagtac tacctggatt 240

306

tgaactngga ctcagacccc tatccacccc caccacgcc ccacagccag tacctgtcgg 300  
 cggaggacag ctgcccgcgc tcgcccgcga ccgagaggag ctacttccat ctcttcccgc 360  
 cccctccgtc cccctgcacg gactcatcct gacctcggcc gggccactct ggcttctctg 420  
 tgcccctgta aatagtttta aat 443

&lt;210&gt; 451

&lt;211&gt; 145

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 425\_at HG-U95Av2

&lt;400&gt; 451

gctctcacct catcagcagt gaccagtgtg gccaaagtgg tcagggtggc ctctggctct 60  
 gccgtagttt tgcccctggc caggattgct acagttgtga ttggaggagt tgtggccatg 120  
 gcggctgtgc ccatggtgct cagtg 145

&lt;210&gt; 452

&lt;211&gt; 299

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 463\_g\_at HG-U95Av2

&lt;400&gt; 452

ttgccaaact gcgcaaagat attcgccagg agtatcgaga ggactttgtg ctcaccgtga 60  
 ctggcaagaa gcacccgtgc tgtgtcttat ccaatcccga ccagaagggt aagattagga 120  
 gaatcgactg cctgcgacag gcagacaaag tctggcgtct ggatctagtc atggtgatcc 180  
 tgttcaaagg catccccttg gaaagtaccg atggagagcg gtcctatgaaa tccccacatt 240  
 gcacaaaccc agcactttgt gtccagccac atcatatcac agtatcagtt aaggagctt 299

307

<210> 453  
<211> 180  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 464\_s\_at HG-U95Av2

<400> 453  
gggcctagca gtcttcacct ctgagtcagg ctaggggcct ccccttctca tcctccccac 60  
cccccgcca aggttctcac actggcctgg gcttgggtgc ccatatagga ggtctgtatg 120  
ttcaccaaca gtgcggaggg gtcacacatt gcaaaacact gcccagaaca gtaaaaagag 180

<210> 454  
<211> 77  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 481\_at HG-U95Av2

<400> 454  
gaagacttgg ccaagaagta ttttgctcag atagttcatg ctatatctta ttgccataaa 60  
ctccatgtgg ttcacag 77

<210> 455  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 535\_s\_at HG-U95Av2

<400> 455  
tgatttcaaa ttgaactcct ccattgtgga acccaaggag ccagccccag aaacagctga 60  
tgccccctac ctggtgatcg tggaacagcc taagcagaga ggcttccgat ttcgatatgg 120  
ctgtgaaggc ccctcccatg gaggactgcc cggtgcctcc agtgagaagg gccgaaagac 180  
ctatcccact gtcaagatct gtaactacga gggaccagcc aagatcgagg tggacctggt 240

308

aacacacagt gacccacctc gtgctcatgc ccacagtctg gtgggcaagc aatgctcgga 300  
 gctggggatc tgcgccgttt ctgtggggcc caaggacatg actgcccaat ttaacaacct 360  
 ggggtgtcctg catgtgacta agaagaacat gatggggact atgatacaaa aacttcagag 420  
 gcagcggctc cgctctaggc cccagggcct tacggaggcc gagcagcggg agctggagca 480  
 agaggccaaa gaactgaaga aggtgatgga tctgagtata gtgcggctgc gcttctctgc 540  
 cttccttaga gccagtgatg gctc 564

<210> 456  
 <211> 180  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 543\_g\_at HG-U95Av2

<400> 456  
 gaatatgtca tagttctgag ctgccagtgg accgcccttt tcccctacca atattaggtg 60  
 atccccgtttt ccccatgaca atgttgtagt gtccccacc cccaccccc tggccttggg 120  
 gcctcttgta tccctagtgc tgcatagcc ggcatctgca cggtttcgaa gtcattaaac 180

<210> 457  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 544\_at HG-U95Av2

<400> 457  
 ggtgaagacc ttgctgctaa atgctgctca gaacaccatg gagccacccc tgaccccgcc 60  
 cagcccagca gggccgggac tgtcacttgg tgatacagct ctgcagaacc tggagcagct 120  
 gctagacggg ccagaagccc agggcagctg ggcagagctg gcagagcgtc tggggctgcg 180  
 cagcctggta gacacgtacc gacagacaac ctcacccagt ggcagcctcc tgcgcagcta 240



309

241

<210> 458  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 545\_g\_at HG-U95Av2

<400> 458  
agtggcagcc tcctgcgcag ctacgagctg gctggcgggg acctggcagg tctactggag 60  
gccctgtctg acatgggcct agaggaggga gtgaggctgc tgaggggtcc agaaaccoga 120  
gacaagctgc ccagcacaaac agaggtgaag gaagacagtg cgtacgggag ccagtcagtg 180  
gagcagaagg cagagaagct gggcccaccc cctgagccac caggagggtc ctgccacggg 240  
cacccccagc ctcaggtgca ctgacctgct gcctgcccc agcccccttc ccggaccccc 300  
tgtacagcgt cccacacctat ttcaaattctt atttaaca 338

<210> 459  
<211> 547  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 570\_at HG-U95Av2

<400> 459  
actgacactg gactcgtacc agggccccggg ccccggggat ggaggcaccc ccagccttgt 60  
gggcagcaac atgttcccca atcattaccg cgaggcgggc tttgggggag gcctcctatc 120  
cccggggcct gaagccacgt agccccgcga tgccagagga ggggcactgg gtggggaggg 180  
aggtggagga gccgtgcaat cccaaccagg atgtctagca ccccatccc cttggccctt 240  
cctcatgctt ctgaagtgga catattcagc cttggcgaga agctccgttg cacgggtttc 300  
cccttgagcc cattttacag atgaggaaac tgagtccgga gaggaaaagg gacatggctc 360

310

ccgtgcacta gcttggttaca gctgcctctg tccccacatg tgggggcacc ttctccagta 420  
ggattcggaa aagattgtac atatgggagg agggggcaga ttcttgccc tccctcccca 480  
gacttgactt gaaggtgggg ggtagggttg ttgttcagag tcttcccaat aaagatgagt 540  
ttttgag 547

&lt;210&gt; 460

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 574\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (120)..(121)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (264)..(265)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (374)..(375)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 460

actctgagca agtcccagat atactacaac tcaatgcaat ctttaacatg ttgaatacca 60  
agaactgccc aagtttgaag gacaaaccga aggtgatcat catccaggcc tgccgtggtn 120  
ncagccctgg tgtgggtgtg tttaaagatt cagtaggagt ttctggaaac ctatctttac 180  
caactacaga agagtttgag gatgatgcta ttaagaaagc ccacatagag aaggatttta 240  
tcgctttctg ctcttccaca ccanntaatg tttcttgag acatcccaca atgggctctg 300

311

tttttattgg aagactcatt gaacatatgc aagaatatgc ctgttcctgt gatgtggagg 360  
aaattttccg caannttcga ttttcatttg agcagccaga tggtagagcg cagatgccca 420  
c 421

<210> 461  
<211> 577  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 576\_at HG-U95Av2

<400> 461  
atcggcgtgc tgcgggatca gcaacgctac cacgaagaca ttttcgggct cacgctgcgc 60  
acccaggagg tgacaagccg catacgcacc cagagctttt ccttgcagga gcgtcagttg 120  
cggggcgcag tgccctgggc gttcgaccct cccggctcag acaccaacag cccctgagag 180  
ccgcctggct ttcccttcca gttccgggag agcggctgcc cgactcaggt ccgcccgacc 240  
aggatcagcc ccgctcctcc cctcttgagg tggcgccttc tcacatctgt ccagaggctg 300  
caaggattca gcattattcc tccaggaagg agcaaaacgc ctcttttccc tctctaggcc 360  
tggtgcctcg ggctgggctc cgccttaatc tggaaggccc ctcccagcag cggtagccca 420  
gggcctactg ccaccgcctt cctgtttctt agtccgaatg ttagattcct cttgcctctc 480  
tcaggagtat cttacctgta aagtctaata tctaaatcaa gtatttatta ttgaagattt 540  
accataaggg actgtgccag atgttaggag aactact 577

<210> 462  
<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 583\_s\_at HG-U95Av2

312

<400> 462  
tgcccatcta tgtcccttgc tgtgagcaag aagtcaaagt aaaacttgct gcctgaagaa 60  
cagtaactgc catcaagatg agagaactgg aggagttcct tgatctgtat atacaataac 120  
ataatttgta catatgtaaa ataaaattat gccatagcaa gattgcttaa aatagcaaca 180  
ctctatatatt agattgttaa aataactagt gttgcttgga ctattataat ttaatgcatg 240  
ttaggaaaat ttcacattaa tatttgctga cagctgacct ttgtcatctt tcttctatatt 300  
tattccottt cacaaaattt tattcctata tagtttattg acaa 344

<210> 463  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 590\_at HG-U95Av2

<400> 463  
tccgtggcaa tgagactctg cactatgaga ccttcgggaa ggcagcccct gctccgcagg 60  
aggccacagc cacattcaac agcacggctg acagagagga tggccaccgc aacttctcct 120  
gcctggctgt gctggacttg atgtctcgcg gtggcaacat ctttcacaaa cactcagccc 180  
cgaagatgtt ggagatctat gagcctgtgt cggacagcca gatggtcatc atagtcacgg 240  
tggtgtcggg gttgctgtcc ctgttcgtga catctgtcct gctctgcttc atcttcggcc 300  
agcacttgcg ccagcagcgg atggg 325

<210> 464  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 595\_at HG-U95Av2

<400> 464  
aaagccagta accatgagta tgaggaaatc tctttctggt gctggcttac agtttctctg 60

313

tgtgctttgt gggtgctgtc atatttgctc tagaagaaaa aaaaaaaagg aggggaaatg 120  
 ctttttcccc agagataaag gctgccattt tgggggtctg tacttatggc ctgaaaatat 180  
 ttgtgatcca taactctaca cagcctttac tcatactatt aggcacactt tccccttaga 240  
 gccccctaag tttttccag acgaatcttt ataatttcct ttccaaagat accaaataaa 300  
 cttcagtggt ttcactaat tctcttaaag ttgatattt aatattttgt gttgatcatt 360  
 atttccattc ttaatgtgaa aaaaagtaat tatttatact tattataaaa agtatttgaa 420  
 atttgacat ttaattgtcc ctaatagaaa gccacctatt ctttgttgga tttcttcaag 480  
 tttttctaaa taaatgtaac ttttcacaag agtcaac 517

&lt;210&gt; 465

&lt;211&gt; 588

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 626\_s\_at HG-U95Av2

&lt;400&gt; 465

cgggctctgc tctgatcacc tttgatgacc ccaaagtggc tgagcaggtg ctgcaacaaa 60  
 aggagcacac gatcaacatg gaggagtgcc ggctgcgggt gcagggtccag cccttgaggc 120  
 tgcccatggt caccaccatc cagggtgtcca gccagttgag tggccggagg gtgttggtca 180  
 ctggatttcc tgccagcctc aggctgagtg aggaggagct gctggacaag ctagagatct 240  
 tctttggcaa gactaggaac ggaggtggcg atgtggacgt tcgggagcta ctgccaggga 300  
 gtgtcatgct ggggtttgct agggatggag tggctcagcg tctgtgcaa atcggccagt 360  
 tcacagtgcc actgggtggg cagcaagtcc ctctgagagt ctctccgtat gtgaatgggg 420  
 agatccagaa ggctgagatc aggtcgcagc cagttccccg ctcggtactg gtgctcaaca 480  
 ttctgatata cttggatggc ccggagctgc atgacgtcct ggagatccac ttccagaagc 540  
 ccaccgcggg gggcggggag gtagaggccc tgacagtcgt accccaag 588

314

&lt;210&gt; 466

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 669\_s\_at HG-U95Av2

&lt;400&gt; 466

gagaccagtg tatcaggtca gggacttggg caggagtcag tgtctggctt tttcctctga 60

gcccagctgc ctggagaggg tctcgtgtc actggctggc tcctagggga acagaccagt 120

gaccccagaa aagcataaca ccaatcccag ggctggctct gcactaagag aaaattgcac 180

taaatgaatc tcgttcccaa agaactaccc ccttttcagc tgagccctgg ggactgttcc 240

aaagccagtg aaatgtgaag gaaagtggg tccttcgggg cgatgctccc tcagcctcag 300

aggagctcta ccctgctccc tgctttggct gaggggcttg ggaaaaaac ttggcacttt 360

ttcgtgtgga tcttgccaca tttctgatca gaggtgtaca ctaacatttc ccccgagctc 420

ttggcctttg catttattta tacagtgcct tgctcggcgc ccaccacccc ctcaagcccc 480

agcagccctc aacaggccca gggagggaag tgtgagcgcc ttggtatgac ttaaaattgg 540

&lt;210&gt; 467

&lt;211&gt; 415

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 717\_at HG-U95Av2

&lt;400&gt; 467

gttcggattt gactgcctgt atatgttttg tgaaatggc ctgttttttg gtaggtgaca 60

cgtggactct agtatgtaaa tgttacttga atctgtgctt cataatagtg tgtggcatgt 120

atgtgcagac tcttgatgc tttatgcctg cgcaccagga gccctgtcct cacgttccca 180

ggagggcggc ttcacccttc gtaaccagga gacaaggcgg ccatggattt gcccttgatt 240

ctattttgc t aatggaagat agaaaggaga gaagggtttt tttttttttt aacattctga 300

315

agatggtgct gtgtcaagaa ggaccttttt tttccctct cccctatttt ttaagtacct 360

tggaggagga gaggttggtg acatgcatgg tggggatcta tggcctctgg tgctt 415

<210> 468

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 823\_at HG-U95Av2

<400> 468

acctgagggg cctcttatgg gctgggttct acccaggtgc taggaacact ccttcacaga 60

tgggtgcttg gaggaaggaa acccagctct ggtccataga gagcaaaacg ctgtgctgcc 120

ctgcccaccc tggcctctgc actcccctgc tgggtgtggc gcagcatatt caggaagctc 180

agggccctgg ctcaggtggg gtcactctgg cagctcagag aggggtgggag tgggtccaat 240

gcactttgtt ctggctcttc caggctggga gagcctttca ggggtgggac accctgtgat 300

ggggccctgc ctcctttgtg aggaagccgc tggggccagt tgggtccccct tccatggact 360

ttgttagttt ctccaagcag gacatggaca aggatgatct aggaagactt tggaaagagt 420

aggaagactt tggaaagact tttccaaccc tcatcaccaa cgtctgtgcc atttt 475

<210> 469

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 848\_at HG-U95Av2

<400> 469

tccaggctcg tcattggagg tgaacaagca aaccagacg gctccactag gacttcaaat 60

tgggggttg .atttgaagac ttttaagttt ccttccagcc cagaaagtct ctcattctag 120

cctcctggcc caggtgagtc ctagagctac aggggttctg gaaacattca ggagcttcct 180

316

gtcctcccag ctcctcactc accttcagta acccccactg gactgacctg gtccacaggg 240  
cacctgccac cctggggcctg gcagctcagc ttcccaacac gcaggagcac acccagcccc 300  
cacatcctgt gcctccatca gctaaacacc acgtcacttc atgcagggtga aaccaggtca 360  
ctgtgagctc ccaggtgcag ccagaggcac ctcaaga 397

&lt;210&gt; 470

&lt;211&gt; 101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 849\_g\_at HG-U95Av2

&lt;400&gt; 470

tttggtgctt tccagaatcc cgtaaacact gattaactga ggcatccact tctttcagca 60  
gactgatcag gacctccaag ccactgagca atgtataacc c 101

&lt;210&gt; 471

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 873\_at HG-U95Av2

&lt;400&gt; 471

atagcgcctg tataagtaga tctgctttct gtccatctct ttgtcctgaa tggctttgtc 60  
ttgaaaaaaa atagatgttt taacttatTTT atatgaagca agctgtgtta cttgaagtaa 120  
ctataacaaa aaaagaaaga gaaaaaaaaa aacacacaaa aagtccccct tcaatctcgt 180  
ttagtgccaa tggtgtgtgt tgcactcaag ttgtttaact gtgcatgtgc gtggaagtgt 240  
tcctgtctca atagctccaa gctgttaaag atatTTTTat tcaaactacc tatattcctt 300  
gtgtaattaa tgctgttgta gaggtgactt gatgagacac aacttgttcg acgtgtagtg 360  
actagtgact ctgtgatgaa aactgtgact ccaagcgtg tgccctgcg tgcctttata 420



317

ggaccctttg cacgaactct ggaagtggct cttataagcg cagcttcagt gatgtatggt 480

t 481

<210> 472

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 874\_at HG-U95Av2

<400> 472

gagcagtttg ccctgggttc cctccttcca cctgcgttcc tcctctagct cccatggcag 60

ccctttggtg cagaatgggc tgcacttcta gacaaaaact gcaaaggaaac ttcattctaac 120

tctgtcctcc ctccccacag cttacagacc attgtgg 157

<210> 473

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 875\_g\_at HG-U95Av2

<400> 473

tgggttcagg attccatgga ccacctggac aagcaaacc aaactccgaa gacttgaaca 60

ctcactccac aacccaagaa tctgcagcta acttattttt ccctagcttt cccagacac 120

cttgtttatt ttattataat gaattttggt tggtgatgtg aaacattatg ccttaagtaa 180

tggttaattct tatttaagtt attgatgttt taagtttatc tttcatggta ctagtgtttt 240

ttagatacag agacttgggg aaattgcttt tcctcttgaa ccacagttct acccctggga 300

tgttttgagg gtctttgcaa gaatc 325

318

<210> 474  
<211> 547  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 925\_at HG-U95Av2

<400> 474  
gaggcctgcg tggttgatga acttgacatg gagctagcct tcctgaccat gtctggcatg 60  
gcatggaaga gtttgaggac atggagagaa gtctgccact atgcctgcag ctctacgccc 120  
cagggctgtc gccagaacta tcatggagtg tgcaatgggg gaccgcggca tgcagctcat 180  
gcacgccaac gccagcgga cagatgctct ccagccaccg cagagtatg tgccctgggt 240  
caccgtcaat gggaaaccct tggaagatca gaccagctc cttacccttg tctgccagtt 300  
gtaccagggc aagaagccgg atgtctgccc ttcctcaacc agctccctcc ggagtgtttg 360  
cttcgagtgt tggccggtgg gctgcggaga gctcatggaa ggcgagtggg aactcggctg 420  
cctgcctttt tttctgatcc agaccctcgg cacctgctac ttaccaactg gaaaatttta 480  
tgcatcccat gaagcccaga tacacaaaat tccacccta gatcaagaat cctgctccac 540  
taagaat 547

<210> 475  
<211> 451  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 943\_at HG-U95Av2

<400> 475  
gacggtataa cacatctact gaaaaagcaa cgaggaaatgt ggtcctatatt aagccagccc 60  
ccacctaggg tctattttgtg tggcagttat tgggttttgt cacaaaacat cctgaaaatt 120  
cgtgcgtggg cttctttctc cctggtacaa acgtatggaa tgcttcttaa aggggaactg 180  
tcaagctggg gtcttcagcc agatgacatg agagaatatc ccagaaccct ctctccaagg 240

319

tgtttctaga tagcacagga gagcaggcac tgcactgtcc acagtccacg gtacacagtc 300  
 ggggtgggccg cctcccctct cctgggagca ttcgtcgtgc ccagcctgag cagggcagct 360  
 ggactgctgc tgttcaggag ccaccagagc cttcctctct ttgtaccaca gtttcttctg 420  
 taaatccagt gttacaatca gtgtgaatgg c 451

&lt;210&gt; 476

&lt;211&gt; 469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 962\_at HG-U95Av2

&lt;400&gt; 476

cttcccagct cttagaaatg tgctacgatg tctgtgaagg catggccttc ttggagagtc 60  
 accaattcat acaccgggac ttggctgctc gtaactgctt ggtggacaga gatctctgtg 120  
 tgaaagtatc tgactttgga atgacaaggt atgttcttga tgaccagtat gtcagttcag 180  
 tcggaacaaa gtttccagtc aagtggtcag ctccagaggt gtttcattac ttcaaataca 240  
 gcagcaagtc agacgtatgg gcatttggga tcctgatgtg ggaggtgttc agcctgggga 300  
 agcagcccta tgacttgtat gacaactccc aggtggttct gaaggtctcc cagggccaca 360  
 ggctttaccg gcccacctg gcatcggaca ccatctacca gatcatgtac agctgctggc 420  
 acgagcttcc agaaaagcgt cccacatttc agcaactcct gtcttccat 469

&lt;210&gt; 477

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 1529\_at HG-U95Av2

&lt;400&gt; 477

aattactgta tctaaaagga gctgctatga agtaccttcc ttatgttgct aggctactgt 60

320

ttctgaaagc cctggatctc ttctgcaccaa aaatggtcca gatagactct ttttaaggat 120  
cttggctgct ttttactaga aggttgcttt tatgagcata ttatactgc tgaaggatga 180  
gtgttaattt taattaactt tgccgttttg tagagaaaac tattcacaag ataaattcca 240  
agtcttttca cctgtcaggc atgca 265

&lt;210&gt; 478

&lt;211&gt; 606

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 31849\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (305)..(319)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (389)..(415)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 478

aaattcacag tactccattt tggggtccaa actgtaatgc tcaaaataat aaatgcttac 60  
acgaaaatta ttattgaga atattcatat aaaaattacc taaagcaaag taaaaaaagt 120  
aaaatcaagg tggtatattt gaagtgaatg gtgattggaa atttttagct gtaacaaaaa 180  
gaaagaaaac aacttttttt aaagcctcat tctcttttct ttcaaaatgt accttattcc 240  
cacacactct tgggctgacc ttatttttat caataagctc aatattactt tgtttaaaat 300  
aagannnnnn nnnnnnnnc attctctctt taaccatata atttaaaaac tcctcttcac 360  
gattgatagc aaaatcagaa acgttagggn nnnnnnnnnn nnnnnnnnnn nnnnntaagt 420  
tggaaaaact attattaata atattatcct atccatccat atctattgaa attgtacagg 480

321

tccataattt cattttaatt aattatagga aagaagaaaa gataataccc atttggtcta 540  
tcacccctct ccctatcatt aactatcaaa taaataaata aaagcaatct gatttccaac 600  
gtggta 606

&lt;210&gt; 479

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32110\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 38, 41, 50, 60, 65, 74, 104, 127

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 479

atgatctgcc agagcctctc caggggtgga atacatgncc nggactaagn ccaatgacan 60  
ccttnccatc tttncagct atggtgactg ggtaggtat gatncttgtg agttaagaca 120  
atgaagncca gaggaattt caagacttat gggaatgctg ggtagaagct gttttaattc 180  
ccctgttgaa tgtgaaaaag gtagtagtat tcctgggtct ttatgatgac caccttgggc 240  
cttgggatca tgaccaggaa tcacgtgaag ctgacaccac tgaagggaga gttgagaggc 300  
agaaagagat caagtccttg gtgaaattgt ttaagtacag gatcaagcct tgcttgagat 360  
tggccttacc t 371

&lt;210&gt; 480

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32385\_at HG-U95Av2

322

&lt;400&gt; 480

gtcatcttgt aattctatgt gtaactttgg aggaatttcc aaactgtttt ctgcaatggc 60  
tgcaccattt tacattcctg tcagcaatgt acaggattcc agtttctcca tatccctgcc 120  
aacacttggt attttccttt ttttcagtta gttactctag tgggtatgtg gtggttgctc 180  
cattgctgtt tgttttgatt ttcattgtcc ctaatgacta atgatattga gcatctaata 240  
tccagttgtc ccagcaacat ttgtttgaag agactattct ttcctgtgta aatggctctg 300  
gcatctttgt tgaaaatcga ttggcagcca ggtgcagtag ctcacacctg taatcccagc 360  
actttgggag gctgcgctgg gcagatcgct taagct 396

&lt;210&gt; 481

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 32791\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 127..169, 233..248, 471, 472, 476, 495..498, 500, 502, 504, 507

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 481

ttgtaaacag atcatcctag gcgaaagttt tttttgtttg tttgctttta aattagttta 60  
tttctaaatc ttagtcttcc acatttctag aggccacctg acacaagtcc ctgtatctga 120  
agtctannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gtggataact 180  
taatctttta atacagttcc gtcattccca tcttgttttc agaagagaag gttnnnnnnn 240  
nnnnnnnnna catatccact gtgtgcatag agggctctct cacgttgatg cttggcattc 300  
catcagcttt ctctaagtct ttgctcaagt tcaaccttaa aatgatgtta gacaacaggt 360  
cccagtcagt tccctctatt ttcacccatt ttgctcacia gccatattgg cccgattagt 420  
gggtactgtct gactcacgtg tgtgatccaa ataaaggtag ctgctgacca nnaaanaaaa 480

323

aaaaaaaaaa aaaannnnan ananaanca gggttctctc atgaggagt aa

532

&lt;210&gt; 482

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33325\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 32..58, 231, 242, 277, 451..470

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 482

catcccaaag tcaaacatgg gcaagaggtg annnnnnnnn nnnnnnnnnn nnnnnnnntt 60

tgtctgtgat tttaaactaa ctgtgtatgt attgatgttt ggaagattgt ttgaatttta 120

aagtgataat agtacttaat gttatccagt attgttcatt aaatggtgtt atcctaaagc 180

tgcacttggg atttttacct aacgctttac tgattctctc aagcacatgg ncaaagtttg 240

antttgcact cggttcattt ctgacacgtt ttgctgncct cctacctttc taagcgtcat 300

gcaaattcga gaatggagaa ggacgctgcc ggtccctgag cggtgtggag agggcggaag 360

gtggactcca gcgcagcttg aggggctgag gacggaggct gcagcatctg tgtcgttcta 420

ctgagcacgc ttctctgcct cgctcctgac nnnnnnnnnn nnnnnnnnnn tcagcagtta 480

tgtttacaca tcatttttat gttcctgctt tgtaattcat gtttgagatg ggtggccact 540

gtaca 545

&lt;210&gt; 483

&lt;211&gt; 469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 33924\_at HG-U95Av2

324

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (81)..(113)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (378)..(401)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 483

gtcgcattaa tgaggccctt ccacatcatt tttaaactaa tgtttttcta tattaacatt 60

attatggata ttgggcttct nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncccatgc 120

tccaatcaaa gggattttta gtagtgcctc taagcaagca ccgatgagtc agtcccacgt 180

atcttctttt ttgtcagtat tgtttgggaa ggagacatgc cgggatgtgt catcgtgcca 240

aataccacat ttcctgttgg cacagtttca cagaagtaaa cataagcatg ttttaacagg 300

tttttctttt cttttttctt ttttaaaatg ttttatttat ttaaccgccc attgtgtggt 360

tttaagtatt ttcttttnnn nnnnnnnnnn nnnnnnnnnn ncaatctaac tggctatggt 420

attattatta aatttatggt ttgcaactta gaaaccagct acagtatgg 469

&lt;210&gt; 484

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34176\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 53, 200, 225, 245, 268, 397..411

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 484

ggagcttatt cctggctcca tcgctaacac gttgactgct tattatggga aanttttctc 60



325

tgaagccagg gagaagcatt gattgatgtg ggcaaattcca agctccagcc aggtcgcagt 120  
cccaaagcc gacatcactg actccaggga ccaggacat ggagaaagct gtttatgata 180  
tctttaacca ggccctcttn actagagctg gtgtttgtga ctggnccaac aagatgtggc 240  
tatgnccagg ggacatctga gtatgtgncc cagtcattctt ttttcacagg ttgaaggag 300  
agaaaagatt ttgagttaag gtcattggct gctctactct gtccccctacc tggtcaccta 360  
gtgatagccc cagtggagat actgtccata caaggtnnnn nnnnnnnnnn nataccacag 420  
taaaaggcca ggccaggagg ggtaggagac tatggagatc ttacctcctg ataaatg 477

&lt;210&gt; 485

&lt;211&gt; 440

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34303\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 43, 44, 49, 50, 53, 54, 56..59, 61, 64..66

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 68..182, 192, 311..334

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 485

aatgtcaacc ggagccctta caccagccct ccagcatcta atnnacttnn aanntnnnt 60  
naannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nntggcagcg gncttatcct tctctgttgc caaccttgcc gtccgacctc ctccgcccc 240  
atgcggtgac cccgtccgtg tctgtgtctg tccatacgtg tgagtcacgc taaaaagaca 300  
aaacagaacc nnnnnnnnnn nnnnnnnnnn nnnntggaga aggtccgac gtctccgaag 360

326

tgcagccctt gggatggcat tccgttgtgt gccttattcc tggagaatct gtatacggct 420

cgcctataga aatatagcct 440

<210> 486

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 34678\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 158, 161..164, 166..171, 173..177, 179..186, 188..191, 193..198

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 200..214, 218..234, 432..454, 457..491

<223> n is a, g, c or t

<400> 486

ccgaactatt tgtcaatgaa gattgtaaag ccaaattgtgt aacaaaggca aaggcttcat 60

ttcaagagtc atccagcaat gagagaatcc tgcctctgta gaccaacatc cagtgtgatt 120

ttgtgtctga gaccacaccc cagtagcagg ttacgccttg nnnncnnnnn ncnnnnntnn 180

nnnnnngnnn ntnnnnnnnn nnnnnnnnnn nnnnaacnnn nnnnnnnnnn nnnntgttat 240

ctcttaagta ttaaaagttt tattttctaa agtttaaadc atgtttttca aaatatattt 300

caaggtggct gggtccattt aaaaatcatc tttttatatg tgtcttcggt tctagacttc 360

agcttttgga aattgctaaa tagaattcaa aaatctctgc atcctgaggt gatatacttc 420

atatttgtaa tnnnnnnnnn nnnnnnnnnn nnnnaannnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn ngcccacaac cattgctata ttttgatatg a 521

327

<210> 487  
<211> 485  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34800\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 344..347, 349, 351..353, 416..435

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 487

tggccaaaag ctgaagggag ttactgagaa aatagttaac aattactgtc aggtgtcatc 60  
actgttcaaa aggtaagcac atttagaatt ttgttcttga cagttaactg actaatctta 120  
cttccacaaa atatgtgaat ttgctgcttc tgagaggcaa tgtgaaagag ggagtattac 180  
ttttatgtac aaagttatth atttatagaa attttggtac agtgtacatt gaaaaccatg 240  
taaaatattg aagtgtctaa caaatggcat tgaagtgtct ttaataaagg ttcatttata 300  
aatgtcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaannnngnc nnaattatc 360  
tttcccccaa aaaagaaaaa aaaaataggc gaagcaaat cacatactgt ttgttnnnnn 420  
nnnnnnnnnn nnnntgcta gattcctgac attttgtttt gaatttttct acacctggag 480  
cttgt 485

&lt;210&gt; 488

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 34857\_at HG-U95Av2

&lt;400&gt; 488

gaaagcttcc ccaattgcac ttgcatctaa acaaaactgt tgcagttttt actctattta 60  
ttttgttccc catgtttatg aaagtcctgc acagtttcaa aggcatggta aataatatat 120

328

caatgtttat gtagtctgtt acagaaacag ctatagataa cattatccag tgaagagcaa 180  
aattcaagct ttagaaaaata ttcatgcatg caattttgac atatctaaaa atagggttttt 240  
gtatatttat ggtgggaggt ggttgggaac ttttaacaaa atggggtgtt aatttttgta 300  
cagtctgtgg gcatttacac atttttaatg tattaataatt tggttaattat gtgtacatta 360  
aattaataaa agttacttct agttatgatt tgtgaattcc ctaagacctt ggattttttt 420  
aagtaacttt atatcagaaa tgatactgca tctttatatt tttaaaattg tattgctgct 480  
caagaatggt accctcttgt caaaaaggca t 511

&lt;210&gt; 489

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35484\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 157..180, 182, 183, 232, 234, 235, 237, 239..242

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 245..249, 251..258

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 489

acactgtttt gtaatgatcg ctttgcatgt cttttccagc tgactccgcc accatctcct 60  
gcctggatga ctgcagcagc atccttgctg gcctctctgc ttcttgcatg gcctcctctg 120  
aatcttcagg atgccaagtt tgtggaggaa cggagannnn nnnnnnnnnn nnnnnnnnnn 180  
anngtcatga acaaagtcac ccagatgggc cccgagttcg ctgccagccc cnannangnn 240  
nnccnnnnnc nnnnnnnngc ccttcttcgt gatgggatta caggtcggaa tgtacggatt 300  
gtttcatttt ggggtaatga tggatcagcc acagccaagc cttaccctg ctgacgaatc 360

329

t

361

<210> 490  
<211> 505  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35763\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> 214..228, 315, 336..369, 455..469, 479, 480  
<223> n is a, g, c or t

<400> 490  
ttgcccatga aggtggccat ccgcagcgtg gccgtgacca aggagcgcag ccacgtgctg 60  
gtgggccttg aggatggcaa gctcatcgtg gtggtcgcgg ggcagccctc tgaggtgcgc 120  
agcagccagt tcgcgcggaa gctgtggcgg tcctcgcggc gcatctccca ggtgtcctcg 180  
ggagagacgg aatacaaccc tactgaggcg cgcnnnnnnn nnnnnnnncg gctgctcggg 240  
ccccgcccc ggcaggcctg gcccgggagg ccccgcccag aagtcggcgg gaacaccccg 300  
gggtgggcag cccanggggg tgagcggggc ccaccnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnc cctcagggat tggcgggcgg aagtcgccgc cctcgcgggc tgagggggcg 420  
ccctgagggc cagcactggc gtctgcggcc gctgnnnnnn nnnnnnnna gtctggggnn 480  
gggttccccg gcttccaagt cgctg 505

<210> 491  
<211> 136  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 35861\_at HG-U95Av2

330

&lt;400&gt; 491

gatgctgccc ttctttgcac gaaagcctgg cctctttgct ttggcgtgat aaacccctgt 60

ccatcttccc caaagctcat ttatgagccc acccagaggc tctaccccc aaagattttc 120

acagaaactt gaggcc 136

&lt;210&gt; 492

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 35959\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (313)..(313)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (332)..(332)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (357)..(357)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 492

gatcttcaga aagtaccata atgtcatcct actctacatt tcacaagacg aattattttg 60

agatttgttt attatattaa aatgtttttt tacgttccca ctaaattttg accccatata 120

aagaaatgtg ttatgtatgt tgtgcctcct tagagacata aatttagtgt caaaacatgg 180

gagatggctt actcagaagc atactccact taacatacca tggcctgagc taagtaccat 240

gtcctgtttg tgtcttattt ttaaataattt tctttgtcca catgggccgt tgaccttaga 300

gttaaggcgg ttngcttttt tgaagaaatc anccaaagtt tctgggaaac tatgttncaa 360

331

ggttgaaatg gagagtagat ttaattttat ttgtcttgta gggaagaaat cttcctttga 420  
 accgcttttc ttgctttttc cctttttccc aaactagggtt acaggttctt atctgcaagg 480  
 ttcaagttgc ttagacattg ttttccagta ttctgcaggg ccagtcagtt gtacagaagt 540  
 t 541

<210> 493  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Probe 36014\_at HG-U95Av2

<220>  
 <221> misc\_feature  
 <222> (49)..(67)  
 <223> n is a, g, c or t

<400> 493  
 gttctaagca tgcagttctc acctccattt agtcccccat cagaacagnn nnnnnnnnnn 60  
 nnnnnnnga gcctaaattt agttcagctt acctttgaga atagcatcaa ttcagactct 120  
 cttttcatta tgttttcttt tctttttccc tctttttaaa ctacattgtg ttagagtcatt 180  
 agtctaggat cctgagagat tttccattct tgtcaccatt cacttgcatt gtaaagattt 240  
 tctttgtctg ttgttgcat agattctttt gtacatatatt atttatttgt gtttatatat 300  
 gtcaattggg ttccctttctt agcttgatat tgcctagctt tggtgtttta attaactttc 360  
 tattagagag actgtatata ttttttctaa atactttgtg aaatcatttt tggtagcaat 420  
 atctttgaat atgatgaata aaagtgactg tgagtgcaaa tagaattagc agtaagaagc 480  
 tactctagct aatttgccat 500

332

<210> 494  
<211> 153  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36250\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (52)..(66)  
<223> n is a, g, c or t

<400> 494  
gccccagacc cttgaaggaa ggtgctcccc ttcacacacc caggctggaa annnnnnnnn 60  
nnnnnngacg gcttgatggt agccaggacc tcctctttac tgcgggggtg ggcgggggcg 120  
gaggatggga actggctagt gagccctgaa ata 153

<210> 495  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 36336\_s\_at HG-U95Av2

<400> 495  
cccggagagg tgctggacct cacctacagc cccccggccg aggccttccc gccgcccccg 60  
cacttctctt tcccggcgcc gctgtccctg gacgccggcc ccggcgctcg gccgctgggc 120  
acccccgacg cccaggccga ccctgcggcc ctgcgcgacc agggctgcga catcaacttc 180  
aaggaggtgc tggaggacat gctgcgctcg ctgcacgcgg ggccgccctc cgagggcgcg 240  
ctgggggagg gcgcgggggc ggggggcgcg gcggggcggtg gtcccagacg gcagagcggtg 300  
atccagttca gccacc 317



333

<210> 496  
<211> 533  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 36497\_at HG-U95Av2

&lt;220&gt;

<221> misc\_feature  
<222> (26)..(26)  
<223> n is a, g, c or t

<400> 496  
attcacacgg tactcagagg cactgntggg gaagtttggt ggtctttatt agataaattt 60  
ccagagacct gtccataata cccaacagaa catgactggt tctttgagga aagggttata 120  
atgtctgtgg tgtacaagtc gtttttggt taacttcttt cctgctgctg ctgcttcccg 180  
gcaaacatag ttttcctatt tcaggcagag tgcggtatat tccaggaaac actgtttcoo 240  
actcacttag cttacttctt tgttgaatgc ctactaatg gcaagtttca agatgttttg 300  
ggtgacaatg cacacatgct gggcaaaagg gtgatggcca gtggctggca gctgggccag 360  
cagaagctag gacatctgtg agttgtcatt ctcatctatc catgtccact ggccctgccag 420  
catccgccag tgccttgcca gtgtgcacgg tcccacactg tggcccctga gtccccta 480  
gtacacgctg cagccagaat gcagatggag ctggcttggc tgttccttg atg 533

<210> 497  
<211> 471  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37030\_at HG-U95Av2

&lt;220&gt;

<221> misc\_feature  
<222> 26, 51, 69, 92, 111, 120..134, 145  
<223> n is a, g, c or t

334

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 285, 381, 383, 384, 386

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 497

ccacgactga agttgtagat tgagcngaata aaccatggga agtgaccaag ncaaagacac 60

tcgattggna gtcagttgaa tatttgtacc cntcagtga gcccttctgg ntcttttctn 120

nnnnnnnnnn nnnntttcct ctagncaaata acttctttct ccttgcttgc ctccaccatg 180

atatttgaat aagagatggc cagaggataa cacttgtctc ttaaaaaacta agctaaaaag 240

aacctagaac cttcaattga gcagttgtga aaattgctaa tggtnccaag gccaaagcaaa 300

gagtttcaga aaatgactga gaaggagcga taacccccag aatgcaaaat caggggcatc 360

attatccggt gcttgaacaa ngngntccg ctctacaact ggttttttta ggacttgtga 420

ggaacacagc aacggaaatc catccacaaa ggatgcagtg cccaacttg t 471

&lt;210&gt; 498

&lt;211&gt; 373

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37216\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (76)..(103)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (215)..(237)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 498

accactgctc agaggagccc taggccttgg ccgcagtgcc ttcagcgccc gaccggggcc 60

335

cccacctggt cagccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggccggg gcgtggcagg 120  
gccctctctg tgcctctcct cccaagtagg aaggggctcc gggcggctgc tctgggactg 180  
ggcaccacaca agggctcagt gggcccaaac ccttnnnnnn nnnnnnnnnn nnnnnnncca 240  
agagctagaa actcaggaaa ccccagggtgc tcaggggccc gcgtctcggg ggctccgtgg 300  
ggcagacccc tgctaataata tgcaattctc cctccccag cccttcctg acccctaagt 360  
tattgcccgc tca 373

<210> 499  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 37786\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (113)..(113)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (262)..(263)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (265)..(265)  
<223> n is a, g, c or t

<400> 499  
cgtccattac tcaaggagac agcataacag atgcagaaca agtcatatatt gaagaatgtt 60  
ttgtactaaa cttcatttaa ttattcagtt tttaaaggga aaaagggcgt ganctcacac 120  
agtgagctgt ttattttaa atcatthaagg agaaaaaaaa atatgggtgag aagctcgctc 180

336

ctttcaactt gtttggtact gacagctgat agaagctatt ttctaataat aaacatccag 240  
 tgtgtgaaag acaaaaaaaaa annantgcaa tactcttttt ttaatgataa aacctgtgaa 300  
 gtttcccaaa gcaggtttta aaaggaaaaa aaggaaaagc aaaaagggtg ctgttctcac 360  
 tcccatctca tttagtgcac gtcttaattc gggattagta atgaattgga ggatcattag 420  
 acattttctag gaacc 435

&lt;210&gt; 500

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 37788\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 30, 352, 364..366, 368..373, 376..389, 391, 392

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 500

catgaatcac atagagcagt ggagttttan ccaagtgggtg tgtgtgggtt ttgtttttta 60  
 ctatgcaaag atgggaaatg cacaaacttt tcaaagacta gtgtctgaag aactttacaa 120  
 acaatacttg aaccctttct ttaaagttat cccatcatgt tttatagtca ttgttgcttc 180  
 cattgttagt ttccattttc aagtgcttg taatttttta agtgcactac ctgaaatttt 240  
 gtttgaaatt aataaattca ttcgtatctt gttggctgcc tatgaatgga gattcagtag 300  
 tcattgtatg catctttaag tcaaagtgtg attaaaactt tcgttaacgt anaaaaaaaa 360  
 aaannnnnnn nnnnaannnnn nnnnnnnnnc nnccttttct gtttcctctt gtagtgctga 420  
 tta 423

337

<210> 501  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38393\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (90)..(91)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (97)..(116)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (172)..(172)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (30)..(30)  
<223> n is a, g, c or t

<400> 501  
cccaagggtgg gacttggaga atattttgcg ttggcatatg tttggtctga atggtgtagt 60  
tgctggttcc ctagagagga aaaggtggcn nggccnnnnn nnnnnnnnnn nnnnnnctta 120  
atttccagtt gaaaccctag tagaattgtg aatgaaaacc tcaaggttga gncccctctg 180  
ccaagcagca gagctagtag aaggggatgc aggggcaaag cactcagttg ccaagcaagg 240  
aggagagatg tacgtgggct gtgtggcagt cccacacccc tgccctggct tcttcaggtt 300  
atcgaccac tatggaatcc tttgcagaat ggtactcata taatggttta aaacaacaca 360  
ttcataattg actctgtgca ggatgtcact caatcagttt gggtttgctt t 411

<210> 502  
<211> 480  
<212> DNA  
<213> Homo sapiens

<220>

<223> Probe 38510\_at HG-U95Av2

<220>

<221> misc\_feature

<222> 88, 97, 101, 105, 107, 108, 116, 120, 122, 130, 136, 158

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 186, 189, 192, 194, 197, 203, 206..210, 213..215, 217

<223> n is a, g, c or t

<220>

<221> misc\_feature

<222> 223, 251, 268, 301

<223> n is a, g, c or t

<400> 502

gtcctcccat attggcaaag ataaagcaat tgacaaaaat ggaattcttg ttcaatactg	60
gcaggagtga aaattggtag aacctttnta gaaggcnatt nggcnannat gtatgnaaan	120
cntaaatgtn gatacncctt taccagcag tttgtttngg aatttatcct aatgaataaa	180
agttgncna gncntcnaaa cangannnnn aannnanatt tcnatgatgt ttatgatatt	240
aaaacattgg naacaactga aacatccntc agtaaaagat ggattaaata aattccatgc	300
nagttgtcat ttaaaaatat ttagatatat gtttattgct atggatatat gttcccaaaa	360
tattattgaa tcaaaaagta gactacagga tatatgttga atatgagctc atttataaca	420
ttgaatattt taagataatg tatgtttcat agagagatct tcaccaaagtg ttaaggattt	480

339

<210> 503  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38717\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (76)..(76)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (100)..(100)  
<223> n is a, g, c or t

<400> 503  
tacaagggtg ccacacctag ttctgcccag ctttatgtct tttattccag tattccacca 60  
aagtttgttt tcttgnccatt ccagttctca agtcttaagn ataaagattg tacttgacag 120  
tttagtatat ccataaaact atttgagggtg gttaagggtc ttgggttcat tttccttaat 180  
actttgctga atattgtaga ttgtaggcaa tgaaaaagtc tactaaatta ggaaaacctt 240  
gaataattag gtatcctagg taagagcccc taaacatcaa gcaatctgtg agtctgtaaa 300  
gaaataaata ttttttggat tattcttata taattccacc cctgttggaa gatgatttct 360  
ttgttctttg caactatgga agctg 385

<210> 504  
<211> 581  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 38749\_at HG-U95Av2

340

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 102, 166, 299, 494, 496..503, 506..509, 517..523, 546, 555

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 504

ggcggcagca cagcacctgc acgaacaccc gccgaaactg ctgcgaggac accgtgtaca 60  
ggagcggggtt gatgaccgag ctgaggtaga aaaacgtctc cngagaaggg gaggaggatc 120  
atgtacgccc ggaagtagga cctcgtccag tcgtgcttgg gtttgnccgc agccatgatc 180  
ctccgaatct ggttgggcat ccagcatatc gccaatgtca caacaatcag ccctgggcag 240  
acacgagcag gaggagagaga cagagaaaag aaaaacacag catgagaaca cagtaaatna 300  
ataaaaccat aaaatattta gcccctctgt tctgtgctta ctggccagga aatggtacca 360  
atttttcagt gttggacttg acagcttctt ttgccacaag caagagagaa tttaacactg 420  
tttcaaaccg gggggagttg gctgtgttaa agaaagacca ttaaattgctt tagacagtgt 480  
aaaaaaaaaa aaanannnnn nnaannnnn aaaaaannnn nnnattggtg tttgtttgcg 540  
tatcongaaa gcagntcatg ttatccataa atctggtttt g 581

&lt;210&gt; 505

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 38972\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (144)..(144)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 505

cgtttagtaac catttagtga caaaggatta aaacatccat ctggatgtta attttgaaga 60  
tgtaaattat atgttggtta aatttttcca ggcattctgaa aaccttatct gctagacaat 120



341

gtaagattca cacagagtta tctngggatt ctgatttttt aaatagtaca tatcattaaa 180  
ccattttctc taaatgtaag aagagcagaa aaaatcttat aagattatca gattttttcta 240  
atgacacaga aatgtaagaa aaaaatccct ttatattgaa aaaagatgca gtcaaagtct 300  
tttcagacat gcccaaaact tgagaatttc ttcaaccatc taatgctata aagatttttg 360  
ttcttcctgt tcacaaccag ttgtataaca gaaatactag ctactgtttt ccttcctgtg 420  
t 421

&lt;210&gt; 506

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39582\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (125)..(125)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 506

ggccacaaat ggagggattg tcctttcaag caccacagct tcagataaaa ttagtacttt 60  
caaattattgt ccactttaac ttaaaaaatt ctagagggat tatattggag actcaactgc 120  
ccttnggttt tagtttataa aatggcctag tactgtggaa ttttaatttt agaaagtctt 180  
agcatcagat cataaacatt cattaaaaga actcacatcc catctgaaac ttcccagggg 240  
agttggggatt cttagtagat tggtagaaag gggctcattt tctactgcat ttcccatttt 300  
tggtatcttg ttcagcatgt tttattttta tttcttgtct gcagaacatc ctatatttat 360  
gagaacattc ttttaagaaga ccaccacata gaataccctt tcctatcagc tcgctctgat 420  
ttagccttaa t 431

342

<210> 507  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39597\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (50)..(50)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (184)..(184)  
<223> n is a, g, c or t

<400> 507  
caaacataac ggatgtaagg cagaaagtga tcggagaagg aatgagaaan tgtgcgtgat 60  
gttaatgaaa agtcatatgc agctagagca gaccaggaa agctttctgg aagagattgc 120  
atctgaggaa attcaggaag gatctttgta gattgggggg agattctaaa ttgaaggggt 180  
gatnggggtga ggggccagag ggaagtctgc tgtgttctca ttaggatgt cagccctccc 240  
tgcaacttct ctttttggcc aatgtctttt cactttcctg accctttaga atcatcccca 300  
gccagacgca atcatggaag ttgccttatt gtcactggtt aagaacttg cgaga 355

<210> 508  
<211> 570  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 39602\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (101)..(116)  
<223> n is a, g, c or t

343

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (247)..(324)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 508

gggtctacat taatcttcca gtactccttg ctgatgctgt gttatgtgtc atctaacaga 60

aatgactcct ttgaaataag taaatctttg gctttttgtt nnnnnnnnnn nnnnnnaagc 120

aaaacaaaca aacaaaaaca aattttaaga acacaacaaa aaagatttga cttccgaata 180

gaatgttttc ttttaagaggc atgaaaagca actattgttg tggtacagtg ttaaaaatat 240

tcagttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnntgtggc atctgaactt ttataaaggt ttccttgtgc 360

caaataagtg caaagattta atttactatt aaaaaccata agcatatgtt atagttccag 420

aagaattatt ttgtcatcaa gtgattttga tcttttagtgt caatatttat atttagatta 480

atTTTTataa atgaaaatat tttaatgggt taagaaaatg aggacaacag gataatatct 540

ttgatgactt ctgaaagtta tgcttcctt 570

&lt;210&gt; 509

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39827\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 132..166, 168..178, 181..184, 187..190, 193, 194

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 198..203, 205..208, 341..358

&lt;223&gt; n is a, g, c or t

344

&lt;400&gt; 509

acgtgctcct cagagcagcc ggagggaggg gggagggtcgg aggtcgtgga ggtggtttgt 60  
gtatcttact ggtctgaagg gaccaagtgt gtttgttggt tgttttgtat cttgtttttc 120  
tgatecggagc annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnann nnnnnnnnaa 180  
nnnnagnnnn ggnnggggnnn nnnngnnnngg atcacttggg atctttgaca cttgaaaaat 240  
tacacctggc agctgcgttt aagccttccc ccatcgtgta ctgcagagtt gagctggcag 300  
gggaggggct gagaggggtg gggctggaac cctcccccg nnnnnnnnnn nnnnnnnnct 360  
tccatctaga actgtttaca tgaagataag atactcactg ttcataaata cacttgatgt 420  
tcaagta 427

&lt;210&gt; 510

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 39837\_s\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 85, 86, 95, 133

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 510

cctagtcttc acgaggaccc tttcttgccc acagtttcga gaggcccggtg ccatgagacc 60  
gcctgggggtg agcaaggcga cctgnnctgc tgccngaagg tttggccgcc gcgggacacc 120  
tgtttccttc ccncagtgtc tgcgtccgca cagcataccc agctcggacc tcctaggaca 180  
gagactcagc gaacccttgc tgggaaccgc tgagctgaag ttcttgaag gctccccacc 240  
aggtgccccg ttggaaagca gatata 265

345

<210> 511  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40239\_g\_at HG-U95Av2

<400> 511  
tataagtatg caacagtcag ccgggggaag ataaaggtag attataaaac acacattaat 60  
gcatttaata aatatatatt atctatcaaa agtgagcctt agctcttcat cagttaataa 120  
aaagcacctg ctgagaactc ctgtaagctg gtatcatcat tgcattcattg gattataaaa 180  
gccacaatgc tccctttcaa cttgggggtt g 211

<210> 512  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Probe 40472\_at HG-U95Av2

<220>  
<221> misc\_feature  
<222> (44)..(58)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (63)..(139)  
<223> n is a, g, c or t

<220>  
<221> misc\_feature  
<222> (26)..(29)  
<223> n is a, g, c or t

<400> 512  
ttgctgaaga gcaagcagag ggtccnnnnc gcctgctgta caannnnnnn nnnnnnnnca 60

346

tcnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnna ggcctctccc tctgtcagtt ccagaacttc tccctccatg 180  
accactcta tgggaaactc ttcagcacct acctgcgccc cccacacacc tctcgaggca 240  
cctcccagac accaaatgcc tcattcccag gcaaccccac tgctctggcc aatgggactg 300  
tgcaagcacc caagcagaag ggagactgag tgcctcagcc tctcaccccc tctcctcag 360  
ggcagcgcta ggggcctccc ctatgcctca gcccattctc tgctcctgtt tgaattttg 419

&lt;210&gt; 513

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 40642\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (34)..(52)

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (198)..(198)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 513

taagcccttg atgacttatt gcatgataca gtannnnnnn nnnnnnnnnn nntaaataca 60  
tgaaaagcag tgtaagctag tgacactaaa gccagtcttg tattactgta tttttgacag 120  
aatggttttg aaaactgtgc tacagggact gatgtggcaa atatattctt ttatgcagaa 180  
ggaagtcttt ttttttctntt tttttttttt taagaagtat ggcttttttat gcatccttca 240  
tcgagggcat tgaagttgca tggactgata aaagttgatg caaaacaaga aagaaacaaa 300  
caaaaaaaaa aaaccagcaa aatggttacc aaaaaactca aacaaatgag cagtgcctgt 360

347

tcaatttcac agtctctgtt gagttcagtt gtaaataatgt ttcaaatgac attttcttgg 420

gaaaaaaaaat ctctacaaca ttgtagaatg tgaggggtaa ctacatccca ggcatag 477

<210> 514

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 40855\_at HG-U95Av2

<220>

<221> misc\_feature

<222> (283)..(301)

<223> n is a, g, c or t

<400> 514

ctcatgtatt tatgcctaata gtaagctgac ttttaaaaag ctttcttttg ttgcatgccc 60

tgtgcaggca tctgtattgt acatgcatgc ctttcgtcct gttttcctgt ataaagtttag 120

tgaacaaaga aatatttttg cctagttcat gttgccaagc aatgcatatt ttttaaattt 180

gtcatatatg gaaagagcat gtttggttaca tgtaaaagct ttactgatat acagatatatac 240

taatgtttga agatgctgtt ctttgcaagt gtacagtttt cannnnnnnnn nnnnnnnnnn 300

ncacccttgt ggtttaaact tgctacaatg tatttattat tcatttcctc ccatgtaact 360

aagaatcatg gctat 375

<210> 515

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Probe 41229\_at HG-U95Av2

348

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 85..108, 166, 173, 182, 185..215

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 515

caacttttgt aggactgtgt gtttcttttag atacatttag tacaactgta ggtgacgagt 60  
agtcagttat tgcttgctag ctacnnnnnn nnnnnnnnnn nnnnnnnnac ttttggcatt 120  
ttgtcctcat gggccataaa tacagaacct tgtatttttaa ttaaantttt ttncaaaagg 180  
anggnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttagca gtaggatgta ttatacgaca 240  
gttacttaat ttctagagtt caggcctctg ggatcaaccc cagactgggc cagaatgtta 300  
gtgaagggtt tattgtgccc ggttgaggga taacgttctt tgggtacttt ttgtgggttg 360  
caaatgaact caattgccac aagttttaaa ctggtgtaaa tcaagcttga cttaatgtga 420  
ttgttactgt tatatccagc ctatactgct agcagctgct catactgcag tcaattactg 480  
gaagcggata t 491

&lt;210&gt; 516

&lt;211&gt; 438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41690\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (26)..(44)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 516

ttgccctggg gagaccata ccattnnnnn nnnnnnnnnn nnnncttaaa gtccagtgtt 60  
ggctgttagt gtatttgata ttctgcctgt ctctcatgg ttgaaatatg tctgaagaat 120  
agcagcataa tctcttggct gtttatactt ttttaaactt tcctgtgttg taaatattgt 180



349

atacttttgg tgattccagc tatgtaacct ctatgctctg taagggtgatt atttgtatat 240  
agcaacatgg cccagtgata ttatatagtt tcccaatgga gaggttattg agtaaccttt 300  
gcattagttt aaacactacc agaagaatgc tgagccaact ataaacactc aattttgtat 360  
gttttccaaa ttgtacttat tactgctttt gatactgtat tacgtgccaa tagtttccca 420  
atcacatagc aggcaaga 438

&lt;210&gt; 517

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41710\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (124)..(145)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 517

ccataattgt ttagccatgt gagtttcagg ttggtacacg ttcagacaga actgctgtat 60  
cacattccaa ttttgaatag ccagtgtgca atcaagtgtg gagaaatgat aaatggccta 120  
agaagnnnnn nnnnnnnnnn nnnnnatgct cttcctagta gcttaatagg ccacaagcta 180  
gtttctgttg cactctgaaa taaaatatgc tttaaaaatg tagggaacag tgcttagaaa 240  
agcaaaaact aggtgtgtca ttgaaataat aggcataaaa attaaatggt acataagaac 300  
actatttgga aagaggggtcc ttttaaaaac tgaatttgta ctaaatacaga tttgccatgt 360  
ccagtacaga ataatttgta cttagtattt gcagcagggt ttgtctttgt gaattc 416

&lt;210&gt; 518

&lt;211&gt; 383

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

350

&lt;220&gt;

&lt;223&gt; Probe 41735\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (70)..(141)

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 518

gctctacact ccagggcatc ttgacccagc cgaaaaagtt gaagatgctc accccaagtt 60  
atggtgtgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn ncaactgcaa agtgaactgc atggtgatgg ccgaccagaa 180  
ccaggtgtgg gttggctcgg aagactccgt catctacatc atcaacgtcc acagcatgctc 240  
ctgcaacaag cagctcacag cccactgctc cagtgtcacg gatttgattg tgcaggacgg 300  
acaggaggca cccagcaacg tgtactcgtg cagcatggac ggcattggtgc tgggtgtggaa 360  
tgtgagcaca ctgcaggtga cca 383

&lt;210&gt; 519

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 41837\_at HG-U95Av2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 61, 72, 78, 79, 82, 83, 98, 99, 101, 112..114, 122, 124

&lt;223&gt; n is a, g, c or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 128, 131, 132, 141..143, 145..172, 174, 245..271

&lt;223&gt; n is a, g, c or t

&lt;400&gt; 519

tcaccaatgc atatgaagag tatgcttggg gaagagctta ggaatggggg gggcatggga 60

351

ntgctgggta gncagccnnt tnnagcaaatt ctgcatcnnt nctcttattt cnnngacett 120  
tntnccangt nncccagtc nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nntnctttat 180  
actattttaat cttttgcaga aaccttacta ttataacttg ctactctcca gataccaatt 240  
cttcnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgtcttact gatgttttca tgatcaactt 300  
gtaaatgtaa gcagttgact tcataaaagg tatttttaact attcttggag tcctttgcta 360  
cccaagcacc tggtttcacc atgogatcac tgacttctct acag 404

&lt;210&gt; 520

&lt;211&gt; 415

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; Probe 717\_at HG-U95Av2

&lt;400&gt; 520

gttcggattt gactgcctgt atatgttttg tgaaatggc ctgttttttg gtaggtgaca 60  
cgtggactct agtatgtaaa tgttacttga atctgtgctt cataatagtg tgtggcatgt 120  
atgtgcagac tcttgatgc tttatgcctg cgcaccagga gccctgtcct cacgttccca 180  
ggagggcggc ttcacccttc gtaaccagga gacaaggcgg ccatggattt gcccttgatt 240  
ctattttgct aatggaagat agaaaggaga gaaggttttt tttttttttt aacattctga 300  
agatggtgct gtgtcaagaa ggacctttt tttccctct cccctatttt ttaagtacct 360  
tggaggagga gaggttggtg acatgcatgg tggggatcta tggcctctgg tgctt 415